

SERVICE MANUAL

COLOUR TELEVISION

AV28R25EKS/c

BASIC CHASSIS

JL2

Supplementary

The following items for the AV28R25EKS/C model were changed from those of the AV28R25EKS model. Therefore, this service manual describes mainly the items which differ from those of the AV28R25EKS service manual.

But the difference of all the PWB ASS'Y are too much, so Electrical Parts List, Circuit Diagrams and Pattern Diagrams of all the PWB ASS'Y are described every information. For details other than those described in this manual, please refer the AV28R25EKS service manual (No. 51941, Mar. 2002) (No.51941B Aug. 2002).

HOW TO IDENTIFY MODELS

"C" is added to the s	serial No. aft	er at the Rating labe	l.	
	MODEL	AV28R25EKS		
				Indicated
			SERIAL No.	"C"

DIFFERENCE LIST

USING P.W. BOARD (Page 30)

P.W.B ASS'Y name	AV28R	25EKS	AV28R25EKS/C	DESCRIPTION
MAIN PWB	SJL-1005A-U2	\leftarrow	SJL-1201A-U2	Non compatible
POWER & DEF. PWB	SJL-2003A-U2	SJL-2003A-H3	SJL-2201A-U2	Non compatible
CRT SOCKET PWB	SJL-3001A-U2	SJL-3001A-H3	SJL-3201A-U2	Non compatible
FRONT CONTROL PWB	SJL-8003A-U2	SJL-8003A-H3	SJL-8201A-U2	Non compatible
AV SW PWB	SJL0S003A-U2	SJL0S003A-H3	SJL0S201A-U2	Non compatible
DOLBY PWB	SJL0D001A-U2	\leftarrow	SJL0D201A-U2	Non compatible

EXPLODED VIEW PARTS LIST (2) (Page 32)

\triangle	Ref. No.	PAR	ΓS No.	PARTS NAME	DESCRIPTION
2:3	Kei. No.	AV28R25EKS	AV28R25EKS/C	FARTS NAME	DESCRIPTION
\triangle	T551	QQH0122-001	QQH0159-001	FB TRANSF	
\triangle	17	LC11364-001A-U	LC11364-031B-U	RATING LABEL	

PRINTED WIRING BOARD PARTS LIST

		Y (SJL-1201A-U2)	Description		& Ref. No.	Parts No.	Parts Name	Description	Local
⚠ Ref. No. IC301 IC302	TB1227CN AN5860	Parts Name IC IC	Description	Local	D703 D704 D705 D706	MA111-X MA3068/M/-X MA111-X MA3039/H/-X	SI DIODE Z DIODE SI DIODE Z DIODE		
IC501 IC601 IC602 IC671 IC701 IC702 IC703 IC705	AN5441SA-W AN7585 AN7585 BA17805T SDA5555-A052 AT24C1628R370KE JLC1562BF-X MM1478DF-X	IC IC IC IC(MCU) IC IC	(SERVICE)		D707 C001 C002 C004 C005 C006	MA3030/H/-X NCB31HK-222X QETN1HM-106Z NCB31CK-104X QETN1AM-108Z NCB31HK-103X	Z DIODE C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	2200pF 50V K 10uF 50V M 0.1uF 16V K 1000uF 10V M 0.01uF 50V K	
IC706	R1170H251B-X	IC			C007 C008 C009	QETN1HM-106Z NCB31CK-104X QETN1HM-106Z	E CAPACITOR C CAPACITOR E CAPACITOR	10uF 50V M 0.1uF 16V K 10uF 50V M	
Q002 Q301 Q302 Q308 Q309 Q311 Q312 Q313 Q314 Q401 Q402 Q605 Q606 Q607 Q608 Q609 Q610 Q615 Q616 Q617 Q618 Q620 Q621 Q622 Q623 Q624 Q625 Q701 Q702 Q703 Q704 Q707 Q708 Q709 Q710 Q711 Q711 Q711 Q711 Q711 Q711 Q711	2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X UN2212-X 2SD601A/QR/-X 2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X UN2213-X 2SD601A/QR/-X UN2213-X UN2213-X UN2213-X UN2213-X 2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X	TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR D			C011 C012 C013 C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C313 C314 C315 C319 C320 C321 C322 C323 C324 C325 C326 C327 C328 C327 C328 C330 C331 C331 C331 C331 C331 C331 C331	QETN1HM-106Z NCB31HK-103X NCB31HK-103X NCB31CK-104X NCB31CK-104X NCB31CK-683X QETN1CM-107Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X QETN1CM-477Z NCB31HJ-120X QETN1HM-475Z NCB31HJ-680X QETN1HM-105X QETN1CM-107Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X NCB31CK-104X NCB31HM-105Z NCB31HK-103X	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.068uF 16V K 47uF 25V M 0.01uF 50V K 100uF 16V M 0.01uF 50V K 470uF 16V M 0.01uF 50V M 12pF 50V J 4.7uF 50V M 0.01uF 50V M 0.01uF 50V M 0.01uF 50V M 10uF 16V M 0.01uF 50V M 10uF 50V M 10uF 50V M 10uF 50V M 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K 0.1uF 50V M 1uF 50V M 0.01uF 50V K	
D301 D302 D303 D304 D305 D306 D307 D503 D601 D602 D603 D604 D607 D608 D610 D611 D612 D613 D614 D615 D616 D617 D618 D619 D620 D621 D620 D621 D701	MA3051/M/-X MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X MA111-X AK04-T2 MA3330/L/-X MA3330/L/-X MA3330/L/-X MA111-X MA111-X MA111-X MA111-X MA3330/L/-X MA3330/L/-X MA3330/L/-X MA3330/L/-X MA111-X	Z DIODE SI DIODE Z DIODE Z DIODE Z DIODE Z DIODE SI DIODE Z DIODE Z DIODE Z DIODE SI DIODE			C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C571 C601 C602 C603 C604 C611 C612 C613 C614 C615 C616 C617 C618 C619 C620 C620 C620 C620 C621 C629 C630	QETN1HM-335Z NCB31HK-103X QETN1CM-108Z QFLC1HJ-823Z NCB31HK-103X NCB31HK-103X QTMN1HM-105Z QETN1CM-228Z NCB31HK-103X QFVF1HJ-394Z NCB31HK-103X QFNC1CM-106Z QENC1CM-106Z QENC1CM-106Z QENC1CM-106Z QENC1CM-106Z QETN1HM-107Z QETN1HM-107Z QETN1HM-108Z QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QENC1CM-106Z QE	E CAPACITOR C CAPACITOR E CAPACITOR M CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR BP E CAPACITOR BP E CAPACITOR BP E CAPACITOR BP CAPACITOR BP CAPACITOR BC CAPACITOR	3.3UF 50V M 0.01uF 50V K 1000uF 16V M 0.082uF 50V J 0.01uF 50V K 0.01uF 50V K 0.01uF 50V M 2200uF 16V M 2200uF 16V M 0.01uF 50V K 0.39uF 50V J 0.01uF 50V K 10uF 16V M 10uF 50V M 100uF 25V M 1000uF 25V M 100uF 50V M 10uF 50V M	

Δ Ref. No.	Parts No.	Parts Name	Description	Local	&Ref. No.	Parts No.	Parts Name	Description	Local
C631 C632	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	,	R404 R405	NRSA63J-183X NRSA63J-223X	MG RESISTOR MG RESISTOR	18kΩ 1/16W J 22kΩ 1/16W J	
C633	QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M		R409	NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J	
C634 C636	QETN1CM-108Z	E CAPACITOR	1000uF 16V M 2200uF 35V M		R411 R413	NRSA63D-473X NRSA63D-223X	MG RESISTOR	47kΩ 1/16W D 22kΩ 1/16W D	
C649	QETM1VM-228 QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M		R414	NRSA63D-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W D	
C675 C676	QETN1CM-107Z NCB31CK-104X	E CAPACITOR	100uF 16V M 0.1uF 16V K		R415 R416	NRSA63J-562X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 100Ω 1/16W J	
C677	NCB31CK-104X	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.1uF 16V K		R417	NRSA63J-101X NRSA63J-223X NRSA63J-682X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 6.8kΩ 1/16W J	
C701 C704	NCB31CK-104X NCB31CK-104X	C CAPACITOR	0.1uF 16V K 0.1uF 16V K		R418 R419	NRSA63J-682X NRSA63J-562X	MG RESISTOR	6.8kΩ 1/16W J 5.6kΩ 1/16W J	
C705	NCB31CK-104X	C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR	0.1uF 16V K		R420	NRSA63J-183X	MG RESISTOR MG RESISTOR	18kΩ 1/16W J	
C707 C708	NCB31CK-104X QETN1AM-107Z	C CAPACITOR F CAPACITOR	0.1uF 16V K 100uF 10V M		R502 R503	NRSA63J-103X NRSA63J-104X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100kΩ 1/16W J	
C709	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R504	NRSA63J-822X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J	
C710 C711	QETN1AM-107Z QETN1AM-227Z	E CAPACITOR E CAPACITOR	100uF 10V M 220uF 10V M		R505 R506	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J	
C712	QETN1AM-227Z QETN1AM-227Z	C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	220uF 10V M 220uF 10V M		R507	NRSA63J-221X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J	
C713 C714	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR C CAPACITOR BP E CAPACITOR	0.1uF 16V K 0.1uF 16V K		R508 R509	NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J	
C716	NCB31CK-104X	C CAPACITOR	0.1uF 16V K 10uF 25V M		R511	NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 4.7kΩ 1/16W J	
C718 C722	QENC1EM-106Z QETN1HM-106Z	E CAPACITOR	10uF 50V M		R514 R516	NRSA63J-472X NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C723 C724	QETN1HM-106Z	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 10uF 50V M		R517 R518	NRSA63,J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J	
C726	QETN1HM-106Z NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R519	NRSA63J-682X NRSA63J-562X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 5.6kΩ 1/16W J	
C728 C729	NCB31CK-104X NCB31EK-333X	C CAPACITOR	0.1uF 16V K 0.033uF 25V K		R520 R571	NRSA63J-152X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 100Ω 1/16W J	
C730	NDC31HJ-151X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	150pF 50V J		R572	NRSA63J-101X NRSA63J-223X	MG RESISTOR MG RESISTOR MG RESISTOR	22kΩ 1/16W J	
C732 C733	NDC31HJ-330X NDC31HJ-390X	C CAPACITOR	33pF 50V J		R573 R574	NRSA63J-821X NRSA63J-333X	MG RESISTOR	820Ω 1/16W J 33kΩ 1/16W J	
C734	NCB31CK-104X	C CAPACITOR	39pF 50V J 0.1uF 16V K		R601	NRSA63,J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J	
C735 C736	NCB31EK-333X NCB31HK-102X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.033uF 25V K 1000pF 50V K		R603 R605	NRSA63J-681X NRSA63J-102X	MG RESISTOR MG RESISTOR	680Ω 1/16W J 1kΩ 1/16W J	
C737	NCB31CK-104X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.1uF 16V K		R607	NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J	
C738 C739	NDC31HJ-151X NCF31AZ-105X	C CAPACITOR C CAPACITOR	150pF 50V J 1uF 10V Z		R608 R609	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	
C740	NDC31HJ-561X	C CAPACITOR	1uF 10V Z 560pF 50V J		R614	NRSA63J-103X NRSA63J-183X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 18kΩ 1/16W J	
C741 C742	QETN1HM-105Z QETN1HM-105Z	E CAPACITOR E CAPACITOR	1uF 50V M 1uF 50V M		R615 R617	NRSA63J-183X NRSA63J-103X	MG RESISTOR MG RESISTOR	18kΩ 1/16W J 10kΩ 1/16W J	
C743	NCB31CK-104X	E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	0.1uF 16V K		R618	NRSA63J-103X NRSA63J-822X NRSA63J-473X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 47kΩ 1/16W J	
C744 C745	NDC31HJ-220X NDC31HJ-220X	C CAPACITOR C CAPACITOR	22pF 50V J 22pF 50V J		R619 R620	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C746 C747	NDC31HJ-220X NCB31CK-104X	C CAPACITOR C CAPACITOR	22pF 50V J 0.1uF 16V K		R621 R622	NRSA63J-183X NRSA63J-822X	MG RESISTOR MG RESISTOR	18kΩ 1/16W J	
C748	NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K		R623	NRSA63J-103X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 10kΩ 1/16W J	
C749	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R624 R625	NRSA63J-473X NRSA63J-222X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 2.2kΩ 1/16W J	
R002	NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J		R627	NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J	
R003 R006	NRSA63J-101X NRSA63J-472X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 4.7kΩ 1/16W J		R629 R631	NRSA63J-222X NRSA63J-103X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 10kΩ 1/16W J	
R007	NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J		R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R008 R011	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J		R633 R638	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	
R304	QRG01GJ-121 NRSA63J-562X	OMF RESISTOR	120Ω 1W J		R639	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J 8.2kΩ 1/16W J	
R305 R306	NRSA63J-222X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 2.2kΩ 1/16W J		R640 R641	NRSA63J-822X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J	
R307 R308	NRSA63J-102X	MG RESISTOR MG RESISTOR MG RESISTOR	1kΩ 1/16W J 470Ω 1/16W J		R642 R643	NRSA63J-473X NRSA63J-822X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 8.2kΩ 1/16W J	
R309	NRSA63J-471X NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J		R644	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R310 R311	NRSA63J-391X NRSA63J-391X	MG RESISTOR MG RESISTOR	390Ω 1/16W J 390Ω 1/16W J		R645 R646	NRSA63J-183X NRSA63J-273X	MG RESISTOR MG RESISTOR	18kΩ 1/16W J 27kΩ 1/16W J	
R312	NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J		R647	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R313 R314	NRSA63J-101X NRSA63J-562X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 5.6kΩ 1/16W J		R648 R652	NRSA63J-103X NRSA63J-823X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 82kΩ 1/16W J	
R316	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		R653	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R317 R321	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J		R654 R655	NRSA63J-822X NRSA63J-822X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 8.2kΩ 1/16W J	
R327	NRSA63J-471X NRSA63J-102X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 1kΩ 1/16W J		R656	NRSA63J-822X NRSA63J-822X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 8.2kΩ 1/16W J	
R330 R331	NRSA63J-331X	MG RESISTOR MG RESISTOR MG RESISTOR	330Ω 1/16W J		R657 R658	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R333 R335	NRSA63J-472X NRSA63J-273X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 27kΩ 1/16W J		R676 R677	NRSA63J-273X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 0Ω 1/16W J	
R336	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R680	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R337 R340	NRSA63J-102X NRSA63J-103X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 10kΩ 1/16W J		R681 R682	NRSA63J-104X NRSA63J-473X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 47kΩ 1/16W J	
R341	NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J		R701	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R342 R344	NRSA63J-152X NRSA63J-102X	MG RESISTOR	1.5kΩ 1/16W J 1kΩ 1/16W J		R702 R703	NRSA63J-472X NRSA63J-102X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 1kΩ 1/16W J	
R345	NRSA63J-562X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J		R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R346 R347	NRSA63J-333X NRSA63J-333X	MG RESISTOR MG RESISTOR	33kΩ 1/16W J 33kΩ 1/16W J		R706 R707	NRSA63J-224X NRSA63J-103X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 10kΩ 1/16W J	
R348	NRSA63J-682X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J		R708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R349 R350	NRSA63J-102X NRSA63J-472X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 4.7kΩ 1/16W J		R709 R710	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	
R351	NRSA63J-682X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J		R712	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R352 R353	NRSA63J-103X NRSA63J-332X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 3.3kΩ 1/16W J		R713 R714	NRSA63J-103X NRSA63J-101X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J	
R354	NRSA63J-471X	MG RESISTOR MG RESISTOR	470Ω 1/16W J		R715	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	
R401 R402	NRSA63J-103X NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J		R716 R717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R403	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R718	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

⚠ Ref. No.	Parts No.	Parts Name	Description	Local		Parts No.	Parts Name	Description	Local
R719 R720 R721 R722 R723 R724 R725 R728 R729 R730 R731 R732 R733 R734 R735 R736 R737 R738 R738 R738	NRSA63J-472X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-472X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-473X NRSA63J-473X NRSA63J-332X	MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J 220Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 2.2kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 4.7kΩ 1/16W J 10kΩ 1/16W J 3.3kΩ 1/16W J		CNOSW HS601 HS602 K307 K701 K702 K703 LC301 TU001 X301 X701 Y001 Y603 Y605 Y611 Y612 Y614 Y616	QGA2501C5-03Z GG30028-001A-H LC31910-002A QQR0621-002Z NQR0360-001X NQR0360-001X NQR0360-001X CE42142-222Z QAU0277-001 QAX0305-001Z QAX0669-001Z NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X	CONNECTOR HEAT SINK HEAT SINK/AL-F/ FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS EMI FILTER TUNER CRYSTAL CRYSTAL MG RESISTOR	W-B (1-3) 16.200MHz 6000kHz 0Ω 1/16W J	
R741 R742	NRSA63J-101X NRSA63J-223X NRSA63J-391X	MG RESISTOR MG RESISTOR MG RESISTOR	100Ω 1/16W J 22kΩ 1/16W J		POWER	& DEF. PW BO	ARD ASS'Y (SJL-	·2201A-U2)	
R743 R744 R745	NRSA63J-471X NRSA63J-182X	MG RESISTOR	390Ω 1/16W J 470Ω 1/16W J 1.8kΩ 1/16W J		⚠ Ref. No.	Parts No.	Parts Name	Description	Local
R746 R747 R748 R749 R750 R757 R761 R762	NRSA63J-473X NRSA63J-682X NRSA63J-153X NRSA63J-223X NRSA63J-223X NRSA63J-473X NRSA63J-473X NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J 6.8kΩ 1/16W J 15kΩ 1/16W J 22kΩ 1/16W J 47kΩ 1/16W J 220Ω 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J		⚠IC401 IC901 IC951 IC952 IC953 IC954 IC955	LA78041 STR-F6254/F7 SE140N BA12T L7809CP PQ05RD11 BA05T	10 10 10 10 10 10 10		
R763 R764 R765 R766 R767 R768 R769 R771 R772 R773 R774 R775 R776 R777 R778 R779 R780 R781	NRSA63J-823X NRSA63J-104X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-104X NRSA63J-102X NRSA63J-221X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-152X NRSA63J-152X NRSA63J-152X NRSA63J-103X NRSA63J-103X	MG RESISTOR	82kΩ 1/16W J 100kΩ 1/16W J 10kΩ 1/16W J 2.2kΩ 1/16W J 10kΩ 1/16W J 0Ω 1/16W J 18kΩ 1/16W J 10kΩ 1/16W J 220Ω 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J 1.5kΩ 1/16W J 1.5kΩ 1/16W J 27kΩ 1/16W J 27kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J		Q402 Q404 Q461 Q462 Q463 Q501 ♠ Q521 Q541 Q542 Q543 Q544 Q591 Q592 Q593 Q931 Q932 Q934	KTC3199/YG/-T KTC3199/YG/-T 2SD1408/OY/-LB KTA1267/YG/-T BSN304-T 2SC5902-RL DTC124ESA-T DTC124ESA-T IRF620 2SK2459N-F54 2SA1208/ST/Z1-T DTC124ESA-T KTC3199/YG/-T KTC3199/YG/-T KTC3199/YG/-T KTC3199/YG/-T	TRANSISTOR TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR MOS FET POW TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR POWER MOS FET POWER MOS FET TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	H.OUT	
R782 R783 R784 R785 R787 R788 R789 R790 R791 R792 R793 R794	NRSA63J-103X NRSA63J-682X NRSA63J-333X NRSA63J-153X NRSA63J-153X NRSA63J-822X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-472X	MG RESISTOR	10kQ 1/16W J 6.8kQ 1/16W J 33kQ 1/16W J 15kQ 1/16W J 33kQ 1/16W J 8.2kQ 1/16W J 10kQ 1/16W J 1kQ 1/16W J 1.5kQ 1/16W J 1.5kQ 1/16W J 1.5kQ 1/16W J 4.7kQ 1/16W J 4.7kQ 1/16W J		D402 D451 D491 D492 D493 D494 D521 D522 D523 D525 D551 D553	1N4003-T2 RGP10J-5025-T3 1SS133-T2 MTZJ22B-T2 1SS133-T2 1SS133-T2 RH3G-F1 RU4AM-F1 RGP10J-5025-T3 MTZJ9.1B-T2 RGP10J-5025-T3 RGP10J-5025-T3	SI DIODE SI DIODE SI DIODE Z DIODE SI DIODE Z DIODE SI DIODE SI DIODE SI DIODE		
L001 L002 L003 L301 L302 L305 L306 L501 L701 L702 L703 L704 L705 L706 L707 L708	QQL244K-270Z QQL244K-100Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-330Z QQL244K-330Z QQL244K-37Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z	COIL COIL COIL COIL COIL COIL COIL COIL	27uH K 10uH K 10uH K 4.7uH K 4.7uH K 4.7uH K 33uH K 150uH J 4.7uH K 4.7uH K 4.7uH K 4.7uH K 4.7uH K 4.7uH K 4.7uH K 4.7uH K		D554 D592 D593 D594 ♣ D901 D902 D904 D905 D906 D907 D909 D911 D913 D951 D953 D954 D955	RGP10J-5025-T3 MTZJ7.5B-T2 RGP10J-5025-T3 MTZJ7.5S-T2 D3SBA60 RG1C-LFA1 AU01Z-T2 AU01Z-T2 MTZJ4.7A-T2 MTZJ15B-T2 1SS133-T2 MTZJ15B-T2 MTZJ27B-T2 RU4AM-F1 RGP10J-5025-T3 RGP10J-5025-T3 FMX-G12S	SI DIODE Z DIODE SI DIODE SI DIODE DIODE SI DIODE FR DIODE FR DIODE Z DIODE Z DIODE Z DIODE Z DIODE SI DIODE		
CN001 CN003 CN004 CN005 CN006 CN008 CN00S CN012 CN016 CN0C1 CN0C1	QGF1220C2-19 QGB1506L1-16 QGB1506L1-16 QGB1506L1-16 QGB1505J1-50 QGA2501C5-08Z QGA2501C5-04Z QGB1505J1-40 QGA2501C5-05Z QGA2501F1-06 QGA2501C5-03Z	CONNECTOR	FFC/FPC (1-19) B-B (1-16) B-B (1-16) B-B (1-16) B-B (1-50) W-B (1-8) W-B (1-4) B-B (1-40) W-B (1-5) W-B (1-6) W-B (1-3)		D956 D957 D958 D963 D964 D965 D967 D981 D982 D983	FMX-G12S RGP10J-5025-T3 1SR35-400A-T2 MTZJ3.9B-T2 MTZJ3.9B-T2 MTZJ2.7B-T2 MTZJ5.6B-T2 1SS133-T2 1SS133-T2 1SS133-T2	SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE		

⚠ Ref. No.	Parts No.	Parts Name	Description	Local	ΔRef. No.	Parts No.	Parts Name	Description	Local
⚠PC541 ⚠PC901	PC817CD PC123Y22	PHOTO COUPLER PHOTO COUPLER			R420 R421	QRE141J-394Y QRE141J-223Y	C RESISTOR C RESISTOR	390kΩ 1/4W J 22kΩ 1/4W J	
C401 C402 C404 C405 C406 C407 C408	QEHR1VM-227Z QETM1VM-108 QETN1HM-105Z QFLC1HJ-472Z QCZ0337-4780Z QFLC1HJ-102Z QFVF1HJ-334Z	E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR C CAPACITOR M CAPACITOR M CAPACITOR MF CAPACITOR	220uF 35V M 1000uF 35V M 1uF 50V M 4700pF 50V J 18pF 2KV J 1000pF 50V J 0.33uF 50V J		R461 R463 R464 R465 R466 R467 R492 R493	QRE141J-331Y QRE121J-392Y QRE121J-562Y QRE121J-682Y QRE121J-102Y QRL039J-330 QRE141J-683Y QRE141J-224Y	C RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR OMF RESISTOR C RESISTOR C RESISTOR	330Ω 1/4W J 3.9kΩ 1/2W J 5.6kΩ 1/2W J 6.8kΩ 1/2W J 1kΩ 1/2W J 33Ω 3W J 68kΩ 1/4W J 220kΩ 1/4W J	
C410 C411 C451	QFVF1HJ-334Z QFLC2AJ-104Z QFVF1HJ-104Z	MF CAPACITOR M CAPACITOR MF CAPACITOR	0.33uF 50V J 0.1uF 100V J 0.1uF 50V J		 ∆R494 R495 R496	QRZ9017-4R7 QRE141J-103Y QRE141J-183Y	FUSI RESISTOR C RESISTOR C RESISTOR	4.7Ω 1/4W J 10kΩ 1/4W J 18kΩ 1/4W J	
C461 C462 C463 C464 C491 C492	QEZ0195-475Z QETN1HM-106Z QFLC1HJ-153Z QFLC1HJ-333Z QETN1HM-105Z QETN1HM-106Z	BP E CAPACITOR E CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR	4.7uF 50V M 10uF 50V M 0.015uF 50V J 0.033uF 50V J 1uF 50V M 10uF 50V M		R497 R501 R502 R503 R504 R505	QRE141J-153Y QRE141J-561Y QRE141J-222Y QRE121J-152Y QRL039J-272 QRL039J-272	C RESISTOR C RESISTOR C RESISTOR C RESISTOR OMF RESISTOR OMF RESISTOR	15kΩ 1/4W J 560Ω 1/4W J 2.2kΩ 1/4W J 1.5kΩ 1/2W J 2.7kΩ 3W J 2.7kΩ 3W J	
C502 C503 C521 ♠C522 ♠C523 C524	QCB32HK-681Z QEHR2CM-105Z QFZ0200-682 QFZ0200-123 QFP32GJ-183 QFM72DK-563	C CAPACITOR E CAPACITOR MPP CAPACITOR MPP CAPACITOR PP CAPACITOR M CAPACITOR	680pF 500V K 1uF 160V M 6800pF 1.5kV H 0.012uF 1.5kV H 0.018uF 400V J 0.056uF 200V K		R521 R522 R523 ▲ R524 R525 R541	QRE121J-150Y QRL039J-103 QRE121J-471Y QRZ9017-4R7 QRE141J-152Y QRE121J-103Y	C RESISTOR OMF RESISTOR C RESISTOR FUSI RESISTOR C RESISTOR C RESISTOR C RESISTOR	15Ω 1/2W J 10kΩ 3W J 470Ω 1/2W J 4.7Ω 1/4W J 1.5kΩ 1/4W J 10kΩ 1/2W J	
⚠ C526 C527 C529 C530 C531 C533	QFZ0199-304 QEHR2EM-475Z QFZ0197-473 QCB32HK-561Z QFLC1HJ-223Z QCS32HJ-560Z	MPP CAPACITOR E CAPACITOR MPP CAPACITOR C CAPACITOR M CAPACITOR C CAPACITOR	0.3uF 250V J 4.7uF 250V M 0.047uF 250V J 560pF 500V K 0.022uF 50V J 56pF 500V J		R542 R543 R544 R545 R551 R552	QRE121J-222Y QRE121J-124Y QRE121J-104Y QRE141J-123Y QRT039J-3R3 QRT039J-3R3	C RESISTOR C RESISTOR C RESISTOR C RESISTOR MF RESISTOR MF RESISTOR	2.2kΩ 1/2W J 120kΩ 1/2W J 100kΩ 1/2W J 12kΩ 1/4W J 3.3Ω 3W J 3.3Ω 3W J	
C542 C551 C552 C553 C554 C555 C560 C591 C592	QFZ0197-204 QETN2EM-106Z QCB32HK-152Z QEHR1EM-108Z QCB32HK-152Z QEHR1EM-108Z QETM2CM-227 QETN1AM-107Z QETN1EM-476Z	MPP CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	0.2uF 250V J 10uF 250V M 1500pF 500V K 1000uF 25V M 1500pF 500V K 1000uF 25V M 220uF 160V M 100uF 10V M 47uF 25V M		R553 AR554 AR555 R591 R592 R593 R594 AR595 AR596	QRF104K-5R6 QRZ9022-R33 QRZ9011-4R7 QRE121J-123Y QRA14CF-1201Y QRE141J-183Y QRE141J-222Y QRA14CF-7501Y QRA14CF-1201Y	UNF WW RESISTOR FUSI RESISTOR FUSI RESISTOR C RESISTOR C MF RESISTOR C RESISTOR C MF RESISTOR CMF RESISTOR CMF RESISTOR	5.6Ω 10W K 0.33Ω 1W K 4.7Ω 1/2W J 12kΩ 1/2W J 1.2kΩ 1/4W F 18kΩ 1/4W J 2.2kΩ 1/4W J 7.5kΩ 1/4W F 1.2kΩ 1/4W F	
C593 C594 ⚠ C901 ⚠ C904 ⚠ C905 ⚠ C906 C907 C908	QETN2AM-106Z QETN1AM-227Z QFZ9075-473 QCZ9054-472 QCZ9054-472 QCZ9054-472 QEZ0199-227 QCB32HK-103	E CAPACITOR E CAPACITOR MPP CAPACITOR C CAPACITOR	10uF 100V M 220uF 10V M 0.047uF AC275V M 4700pF AC250V Z 4700pF AC250V Z 4700pF AC250V Z 220uF 25V J 0.01uF 500V K		R597 R902 R903 R904 R905 R907 R908 R909	QRE141J-273Y QRE121J-331Y QRF104K-3R9 QRE121J-474Y QRE121J-474Y QRL039J-823 QRL039J-823 QRL039J-473	C RESISTOR C RESISTOR UNF WW RESISTOR C RESISTOR C RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR	27kΩ 1/4W J 330Ω 1/2W J 3.9Ω 10W K 470kΩ 1/2W J 470kΩ 1/2W J 82kΩ 3W J 82kΩ 3W J 47kΩ 3W J	
C909 C910 C912 C916 C917 C918 C920 C933 C951	QCZ0122-561 QCZ0122-681 QCB31HK-102Z QETN1HM-106Z QETN1HM-475Z QCB31HK-152Z QFVF1HJ-334Z QETM1VM-338 QCZ0122-561	C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR MF CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	560pF 2kV K 680pF 2kV K 1000pF 50V K 10uF 50V M 4.7uF 50V M 1500pF 50V K 0.33uF 50V J 3300uF 35V M 560pF 2kV K		R911 R912 ▲R913 R914 R916 R917 R918 R934	QRM059J-R10 QRT029J-2R2 QRZ9017-100 QRE121J-272Y QRE141J-103Y QRE121J-102Y QRE141J-102Y QRE141J-122Y QRE141J-223Y	MP RESISTOR MF RESISTOR FUSI RESISTOR C RESISTOR	0.1Ω 5W J 2.2Ω 2W J 10Ω 1/4W J 2.7KΩ 1/2W J 10kΩ 1/4W J 220Ω 1/2W J 1KΩ 1/2W J 1KΩ 1/4W J 22KΩ 1/4W J	
C952 C953 C954 C955 C956 C959 C961 C964 C965 C966 C967 C968	QEZ0203-227 QCB32HK-391Z QTMM1EM-228 QCB32HK-391Z QTMM1CM-228 QETM1VM-338 QETM1VM-228 QFVF1HJ-684Z QETN1VM-477Z QCB31HK-103Z QCZD120-104Z	E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR G CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	220uF 160V M 390pF 500V K 2200uF 25V M 390pF 500V K 2200uF 16V M 3300uF 35V M 2200uF 35V M 0.68uF 50V J 470uF 35V M 0.01uF 50V K 220uF 10V M 0.1uF 25V Z		R936 R937 R938 ▲R939 R941 R942 R943 R952 R964 R967 &R991	QRE141J-103Y QRE141J-103Y QRE141J-331Y QRE9017-100 QRE141J-102Y QRL039J-561 QRL039J-561 QRE141J-222Y QRE121J-222Y QRE121J-222Y QRL039J-223 QRL029J-100 QRZ0057-825	C RESISTOR C RESISTOR C RESISTOR FUSI RESISTOR C RESISTOR OMF RESISTOR OMF RESISTOR C RESISTOR C RESISTOR C RESISTOR OMF RESISTOR C RESISTOR OMF RESISTOR OMF RESISTOR C RESISTOR	10kΩ 1/4W J 10kΩ 1/4W J 33ΩΩ 1/4W J 10Ω 1/4W J 560Ω 3W J 560Ω 3W J 2.2kΩ 1/4W J 2.2kΩ 1/2W J 22kΩ 3W J 10Ω 2W J 8.2MΩ 1W J	
C969 C970 C971 C972 C973 C974 C975 C976	QEHR1CM-477Z QEHR1CM-107Z QCZ0120-104Z QETN1CM-227Z QETN1EM-476Z QCZ0120-104Z QETN1AM-227Z QETN1EM-476Z	E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR	470uF 16V M 100uF 16V M 0.1uF 25V Z 220uF 16V M 47uF 25V M 0.1uF 25V Z 220uF 10V M 47uF 25V M		L461 L521 L522 L901 L902 △L903 L951	QQLZ027-821 QQLZ028-501 QQR1106-001 QQL402K-100 QQL402K-100 QQR1200-001 QQLZ026-460	COIL COIL LINEARITY COIL COIL COIL CHOKE COIL COIL	820uH 500uH 10uH K 10uH K 46uH ±7%	
⚠ C991 ⚠ C992 R401 R402	QCZ9079-332 QCZ9079-471 QRE141J-682Y QRA14CF-6801Y	C CAPACITOR C CAPACITOR C RESISTOR CMF RESISTOR	3300pF AC250V M 470pF AC250V K 6.8kΩ 1/4W J 6.8kΩ 1/4W F		L952 L953 L954 L955 T501	QQL26AK-820Z QQL26AM-5R6Z QQL26AM-5R6Z QQL26AK-220Z CE42034-002	COIL COIL COIL COIL HOR DRIVE TRANS	82uH K 5.6uH M 5.6uH M 22uH K	
R403 R404 R405 R406 R409 R410 R414 R415 R416 R417	QRA14CF-3001Y QRA14CF-3091Y QRA14CF-8200Y QRE141J-103Y QRE141J-103Y QRE141J-102Y QRE121J-5R6Y QRX01GJ-1R8 QRG01GJ-820 QRE121J-100Y	CMF RESISTOR CMF RESISTOR CMF RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR MF RESISTOR OMF RESISTOR C RESISTOR	3.09kΩ 1/4W F 820Ω 1/4W F 820Ω 1/4W F 10kΩ 1/4W J 10kΩ 1/4W J 1kΩ 1/4W J 5.6Ω 1/2W J 1.8Ω 1W J 82Ω 1W J 10Ω 1/2W J		CN003 CN004 CN005 CN009 CN00W CN00X CN0HV &CP952 &CP953	QGB1506M1-16 QGB1506M1-16 QGB1506M1-16 QGA2501C5-06Z QGA7901C1-02 QGA2501C5-05Z CHC802T-05N-J ICP-N50-Y QMFZ049-4R0Z-E	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR LV CONNECTOR IC PROTECTOR FUSE	B-B (1-16) B-B (1-16) B-B (1-16) W-B (1-6) W-B (1-2) W-B (1-5) 2.0A 4A 125V	

⚠ CP954 ⚠ CP955 HS001 HS002 HS003 HS004 HS956 HS964 HS965 K401 K503 K504 K901 K904 K901 K905 K951 K952 K953 K954 K955 K956 ⚠ LF902 ⚠ TH901	ICP-N75-Y ICP-N75-Y ICP-N75-Y ICP-N75-Y CEHT12N-026PS CM48010-002-H LC30416-002A CEHT11B-002QS CEHT11B-002QS CEHT11B-002QS CEHT11B-002QS CM42862-00J-H QQR0621-002Z QQR0582-001Z QQR0582-001Z QQR0679-001 QQR0679-001 QQR0679-001 QQR0672-001Y QQR0621-002Z	IC PROTECTOR IC PROTECTOR HEAT SINK	2.7A 2.7A 9Ω 220V/240V		R3114 R3115 R3116 R3117 R3118 R3119 R3120 R3121 R3125 R3126 R3127 R3130 R3135 R3136 R3137 R3138 R3151 R3152 R3154 R3303 R3315 R3151 R3152 R3154 R3303 R3317	NRSA63J-470X NRSA63J-470X QRL029J-153 QRL029J-153 QRL029J-153 QRL029J-183 QRL029J-183 QRL029J-183 QR20107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z NRSA63J-101X NRSA63J-153X NRSA63J-153X NRSA63J-152X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-122X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR CRESISTOR MG RESISTOR	47O 1/16W J	
CRT SO	CKET PW BOAI Parts No.	RD ASS'Y (SJL-3 Parts Name	201A-U2) Description	Local	⚠R3318 R3319 R3320	QRJ146J-100X NRSA63J-470X NRSA63J-122X	UNF C RESISTOR MG RESISTOR MG RESISTOR	10Ω 1/4VV J	
Q3101 Q3102 Q3103 Q3104 Q3105 Q3106 Q3151 Q3152	KTC3199/YG/-T KTC3199/YG/-T KTC3199/YG/-T 2SC4544-LB 2SC4544-LB 2SB709A/QR/-X 2SC4682-T	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR			R3329	NRSA63J-101X NRSA63J-222X NRSA63J-470X QRJ146J-100X NRSA63J-122X NRSA63J-122X NRSA63J-390X QRE121J-563Y QRE121J-563Y QRE121J-563Y NRSA63J-122X QRE121J-2R7Y NRSA63J-390X NRSA63J-121X QRL029J-391	MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR		
Q3304 Q3305 Q3306	KTC3199/YG/-T KTC3199/YG/-T KTA1267/YG/-T	TRANSISTOR TRANSISTOR			L3301 CN3008	QQL244J-391Z QJK002-083633	COIL SIN CR C-B WIRE	390uH J	
Q3307 Q3308 D3151 D3152 D3153 D3154 D3155 D3156	2SA1837 2SC4793 MA111-X MA3051/M/-X MA111-X MA111-X MA111-X MA3047/H/-X	POW TRANSISTOR POW TRANSISTOR SI DIODE Z DIODE SI DIODE SI DIODE SI DIODE Z DIODE			CN3008 CN3009 CN30E1 CN30SC CN30VM &FR3330 H3104 H3105 H3106 H3307	QJK002-063631 CE41507-001P QGZ0017C1-01Z QGA2501C5-03Z QRZ9021-561 CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS	SIN CR C-B WIRE SIN CR C-B WIRE LV CONNECTOR CONNECTOR FUSI RESISTOR HEAT SINK HEAT SINK HEAT SINK HEAT SINK	(1-1) W-B (1-3) 560Ω 1W J	
D3157 D3163 D3164 D3302 D3303	MA3150/M/-X MA3150/M/-X 1SR35-400A-T2 RH1S-T3 RH1S-T3	Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE			H3307 H3308 K3101 K3301 K3302 K3303 K3304	CEHP00N-001QS QQR0621-002Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z	HEAT SINK FERRITE BEADS CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL		
C3101 C3102 C3103 C3104 C3105 C3107 C3113 C3114 C3115 C3116 C3304	NDC31HJ-471X NDC31HJ-471X NDC31HJ-471X QETN1CM-107Z QETN1EM-476Z QCZ0131-222 QETM2EM-336 QETM2EM-106 NRSA63J-0R0X NCB31HK-103X	C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR G CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR MG RESISTOR C CAPACITOR	470pF 50V J 470pF 50V J 470pF 50V J 100uF 16V M 47uF 25V M 10uF 50V M 2200pF 2kV K 33uF 250V M 10uF 250V M 0Ω 1/16W J 0.01uF 50V K		▲ SK3001 W3002 W3003 W3004 W3005 W3006 W3007 W3008 W3009	QNZ0536-001 NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X	CRT SOCKET MG RESISTOR	$\begin{array}{c} 0\Omega\ 1/16W\ J\\ 0D\ 1/16W\ D\\ 0D\ 1/16W$	
C3304 C3305 C3306 C3307	QETN1HM-335Z QETN1CM-107Z NDC31HJ-5R0X	E CAPACITOR E CAPACITOR C CAPACITOR	3.3uF 50V M 100uF 16V M 5pF 50V J		FRONT (CONTROL PW	BOARD ASS'Y (SJL-8201A-U2)	
C3308 C3309 C3310	QETN2CM-106Z QCB32HK-472Z QETN2CM-106Z	E CAPACITOR C CAPACITOR E CAPACITOR	10uF 160V M 4700pF 500V K 10uF 160V M		⚠ Ref. No.	Parts No.	Parts Name	Description	Local
C3311 C3312	NDC31HJ-821X QCB32HK-472Z	C CAPACITOR C CAPACITOR	820pF 50V J 4700pF 500V K		IC8851	GP1U281Q	IR DETECT UNIT	38kHz	
C3313 C3314 C3315	NDC31HJ-561X QETN1CM-107Z QCS32HJ-680Z	C CAPACITOR E CAPACITOR C CAPACITOR	560pF 50V J 100uF 16V M 68pF 500V J		Q8801 Q8802 Q8803	UN2112-X UN2112-X UN2212-X	TRANSISTOR TRANSISTOR DIGI TRANSISTOR		
C3316 C3317	QETN1CM-107Z QETN1AM-337Z	E CAPACITOR E CAPACITOR	100uF 16V M 330uF 10V M		D8801 D8851	SPR-39MVWF MA3068/M/-X	LED Z DIODE	RED-GREEN	
R3101 R3102 R3103 R3107 R3108	NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-392X NRSA63J-392X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 3.9kΩ 1/16W J 3.9kΩ 1/16W J		C8851 C8852 △C8901	NCB31CK-104X QETN1CM-107Z QFZ9075-474	C CAPACITOR E CAPACITOR MPP CAPACITOR	0.1uF 16V K 100uF 16V M 0.47uF AC275V M	
R3109 R3110 R3111 R3112 R3113	NRSA63J-392X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-470X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 47Ω 1/16W J		R8801 R8802 R8804 R8851	NRSA63J-561X NRSA63J-561X NRSA63J-103X NRSA63J-152X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	560Ω 1/16W J 560Ω 1/16W J 10kΩ 1/16W J 1.5kΩ 1/16W J	

⚠ Ref. No. Parts No.

Parts Name

Description

Local

Parts Name

Description

Local

ΔRef. No.	Parts No.	Parts Name	Description	Local	ΔRef. No.	Parts No.	Parts Name	Description	Local
CN800W CN80PW CN8101 \$\Delta F8901 FC8902 \$\Delta LF8901 \$\Delta S8901 \$\W8001\$	CHGH0001-0H QGAB801C1-02 QGF1220C2-19 QMF51D2-3R15J1 CEMG002-001Z CEMG002-001Z QQR1095-001 QSW0824-001 NRSA63J-0R0X	CONNECTOR ASSY CONNECTOR CONNECTOR FUSE FUSE CLIP FUSE CLIP LINE FILTER PUSH SWITCH MG RESISTOR	W-B (1-2) FFC/FPC (1-19) 3.15A AC250V MAIN POWER 0Ω 1/16W J		C210 C302 C303 C304 C305 C306 C307 C308 C309 C310	NCF31AZ-105X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31HK-222X NCB31HK-222X QETN1HM-226Z NCF31AZ-105X NCF31AZ-105X QETN1EM-476Z	C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	1uF 10V Z 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K 2200pF 50V K 2200pF 50V K 22uF 50V M 1uF 10V Z 47uF 25V M	
DOLBY I	PW BOARD AS Parts No.	S'Y (SJL0D201A Parts Name	-U2) Description	Local	C312 C313 C314 C315	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K	
IC101 IC102 IC201 IC301 IC302 IC303 IC501 IC551	TC9471F S-80828CNNB-W BA10324AF-XE TC4052BF/N/-XE BD3869AF-X BD3869AF-X BA4558F-X BA10324AF-XE UN2212-X	IC I			C316 C317 C318 C319 C320 C321 C401 C404 C405 C406 C501 C502	NCB31HK-222X QETN1EM-476Z QETN1HM-226Z NCF31AZ-105X NCF31AZ-105X NCB31HK-222X QETN1HM-106Z NRSA63J-0R0X QETN1EM-476Z QETN1HM-106Z NCF31AZ-105X NCF31AZ-105X	C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR MG RESISTOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	2200pF 50V K 47uF 25V M 22uF 50V M 1uF 10V Z 1uF 10V Z 2200pF 50V K 10uF 50V M 0Ω 1/16W J 47uF 25V M 10uF 50V M 1uF 10V Z	
Q301 Q501 Q502 Q503	UN2212-X 2SB709A/QR/-X UN2226-X UN2226-X	DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR			C503 C504 C505 C506	NDC31HJ-100X NDC31HJ-100X QETN1EM-476Z QETN1HM-106Z	C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR	10pF 50V J 10pF 50V J 47uF 25V M 10uF 50V M	
D105 D501 D502	MA111-X MA3150/M/-X MA3150/M/-X	SI DIODE Z DIODE Z DIODE			C507 C508 C509 C510	QETN1HM-106Z QETN1EM-476Z NCB31HK-222X NCB31HK-222X	E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	10uF 50V M 47uF 25V M 2200pF 50V K 2200pF 50V K	
C101 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C114	NCB31CK-104X NDC31HJ-221X QETN1HM-475Z NCB31CK-104X QETN1EM-476Z QETN1EM-476Z QETN1EM-476Z QETN1HM-475Z NDC31HJ-221X NDC31HJ-100X NDC31HJ-100X QETN1EM-476Z	C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	0.1uF 16V K 220pF 50V J 4.7uF 50V M 0.1uF 16V K 47uF 25V M 47uF 25V M 47uF 25V M 4.7uF 50V M 220pF 50V J 10pF 50V J 47uF 25V M		C551 C552 C553 C554 C555 C556 C557 C558 C559 C560 C561 C562	QETN1EM-476Z NCB31CK-104X NCB31HK-153X QETN1EM-476Z NCB31EK-333X NCB31EK-273X QETN1HM-106Z NCB31EK-273X QETN1HM-106Z NCF31AZ-105X NCF31AZ-105X	E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	47UF 25V M 0.1uF 16V K 0.015uF 50V K 47UF 25V M 0.033uF 25V K 0.027uF 25V K 10UF 50V M 0.033uF 25V K 0.027uF 25V K 10uF 50V M 1uF 10V Z 1uF 10V Z	
C115 C116 C117 C118 C119 C120 C121 C122 C123 C124 C125 C126 C127 C128 C129 C130 C131 C132 C133 C134 C135 C136 C157 C138 C142 C145 C155 C156 C157 C201 C155 C156 C157 C201 C202 C203 C204 C205 C206 C207 C208 C209	QETN1EM-476Z NCB31CK-104X QETN1EM-476Z QETN1EM-476Z QETN1EM-476Z QETN1EM-476Z NCB31CK-104X NCB31CK-104X NDC31HJ-221X NCB31CK-104X NCB31HK-102X NCB31HK-105X NCB31HZ-105X NCB31HZ-105X NCF31AZ-105X NCF31AZ-105X NCF31AZ-105X NCG31HJ-470X NDC31HJ-470X NDC31HJ-470X	E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C C CAPACITOR C C CAPACITOR C	47uF 25V M 0.1uF 16V K 47uF 25V M 47uF 25V M 47uF 25V M 0.1uF 16V K 47uF 25V M 0.1uF 16V K 220pF 50V J 47uF 25V M 0.1uF 16V K 0.1uF 16V K 0.1uF 16V K 0.1uF 16V M 100uF 16V M 47uF 25V M 0.1uF 16V K 2200pF 50V K 2200pF 50V K 1000F 50V K 1000F 50V K 1000pF 50V J 47pF 50V J		R101 R102 R103 R104 R105 R106 R107 R108 R109 R111 R112 R113 R114 R115 R116 R118 R201 R202 R203 R204 R205 R206 R207 R208 R201 R211 R212 R213 R211 R212 R213 R214 R215 R216 R217 R218 R219 R220 R221 R222 R303 R304 R305	NRSA63J-223X NRSA63J-683X NRSA63J-263X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-103X NRSA63J-133X NRSA63J-133X NRSA63J-133X NRSA63J-103X NRSA63J-821X	MG RESISTOR	22kΩ 1/16W J 68kΩ 1/16W J 22kΩ 1/16W J 1MΩ 1/16W J 270Ω 1/16W J 47kΩ 1/16W J 1kΩ 1/16W J 10kΩ 1/16W J	

	Parts No.	Parts Name	Description	Local	&Ref. No.	Parts No.	Parts Name	Description	Local
R306 R307 R308 R309 R310 R311 R312 R313 R314	NRSA63J-562X NRSA63J-562X NRSA63J-471X NRSA63J-471X NRSA63J-562X NRSA63J-562X NRSA63J-394X NRSA63J-394X NRSA63J-304X	MG RESISTOR	5.6kΩ 1/16W J 5.6kΩ 1/16W J 470Ω 1/16W J 470Ω 1/16W J 5.6kΩ 1/16W J 390kΩ 1/16W J 390kΩ 1/16W J 10kΩ 1/16W J		D0107 D0108 D0109 D0110 D0111 D0112 D0113 D0114 D0601	MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3091/M/-X RD8.2E/B2/-T2	Z DIODE		
R315 R401 R403 R407 R408 R410 R501 R502 R503 R504 R505 R506 R507 R508 R509 R510 R511 R512 R514 R516 R551 R552 R553 R555 R555 R556 R555 R555 R555 R555	NRSA63J-103X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-10R0X NRSA63J-153X NRSA63J-153X NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J 27kΩ 1/16W J 15kΩ 1/16W J 10kΩ 1/16W J		C0101 C0102 C0103 C0104 C0105 C0106 C0107 C0108 C0109 C0110 C0111 C0112 C0113 C0114 C0115 C0116 C0117 C0118 C0119 C0120 C0121 C0122 C0123 C0124 C0125 C0126 C0127 C0128 C0129 C0120 C0130 C0131 C0131 C0131 C0132 C0133	NCB31HK-152X QETN1CM-477Z QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z NCB31HK-472X NCB31HK-152X NCB31HK-152X NCB31HK-102X QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-105Z NCB31HK-102X QETN1HM-106Z QETN1HM-105Z NCB31HK-102X NCB31HK-103Z NCB31HK-103Z	C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR	1500pF 50V K 470uF 16V M 10uF 50V M 10uF 50V M 10uF 50V M 4700pF 50V K 1500pF 50V K 1500pF 50V K 4700pF 50V K 1500pF 50V K 100pF 50V K 100pF 50V M 10uF 50V M	
L101 L102 L103 L104 L501 L502	NQL085J-4R7X NQL085J-4R7X NQL085J-4R7X NQL085J-4R7X NQL085J-100X NQL085J-100X	COIL COIL COIL COIL COIL COIL	4.7uH J 4.7uH J 4.7uH J 4.7uH J 10uH J 10uH J		C0136 C0137 C0139 C0140 C0141 C0142 C0143	QETN1HM-106Z QENC1EM-106Z QENC1EM-106Z QETN1CM-107Z NCB31HK-103X NCF31AZ-105X QENC1EM-106Z	E CAPACITOR BP E CAPACITOR BP E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR BP E CAPACITOR	10uF 50V M 10uF 25V M 10uF 25V M 100uF 16V M 0.01uF 50V K 1uF 10V Z 10uF 25V M	
CN012 J001 J002 LC101 LC102 X101	QGB1505K1-40 QNN0294-001 QNB0006-002 NQR0313-009X NQR0313-009X NAX0288-001X	CONNECTOR PIN JACK PUSH TERMINAL EMI FILTER EMI FILTER CRYSTAL	B-B (1-40) L/R OUT REAR SP OUT 0.01uF 50V M 0.01uF 50V M		C0144 C0145 C0146 C0147 C0149 C0150 C0151 C0152	NCF31AZ-105X QETN1CM-107Z QETN1CM-07Z QETN1CM-477Z NCB31HK-103X QETN1HM-106Z QETN1HM-106Z QETN1HM-105Z	C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	1uF 10V Z 100uF 16V M 100uF 16V M 470uF 16V M 0.01uF 50V K 10uF 50V M 10uF 50V M 1uF 50V M	
AV SW F	PW BOARD AS Parts No.	S'Y (SJL0S201A	-U2) Description	Local	C0153 C0154 C0155 C0157 C0158	QETN1HM-105Z NDC31HJ-680X NDC31HJ-680X NDC31HJ-680X	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	1uF 50V M 68pF 50V J 68pF 50V J 68pF 50V J	
IC0101 IC0603	CXA2089Q-X MSP3415DQGB3G	IC	2000, p.10.1		C0616 C0617 C0618	NDC31HJ-680X QETN1CM-107Z NCB31CK-104X QETN1HM-106Z	E CAPACITOR C CAPACITOR E CAPACITOR	68pF 50V J 100uF 16V M 0.1uF 16V K 10uF 50V M	
Q0101 Q0102 Q0103 Q0104 Q0105 Q0106 Q0107 Q0108 Q0109 Q0110 Q0111 Q0112 Q0116 Q0118 Q0119	UN2213-X 2SB709A/QR/-X UN2213-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SB709A/QR/-X UN2213-X UN2213-X 2SD601A/QR/-X 2SD601A/QR/-X KTA1267/VG/-T KTC3199/YG/-T 2SD601A/QR/-X	DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR			C0619 C0620 C0623 C0624 C0629 C0630 C0631 C0632 C0633 C0634 C0635 C0645 C0646 C0647 C0648	NCB31CK-104X QETN1HM-106Z NCB31CK-104X QETN1HM-106Z QETN1HM-106Z NCB31HK-102X NCB31HK-102X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HJ-2R0X NDC31HJ-2R0X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-104X QETN1CM-107Z NRSA63J-0R0X	C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR MG RESISTOR	0.1uF 16V K 10uF 50V M 0.1uF 16V K 10uF 50V M 10uF 50V M 10uF 50V K 1000P 50V K 1000P 50V K 0.1uF 16V K 0.01uF 50V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V J 2pF 50V J 0.01uF 50V K 0.1uF 16V K 100UF 16V K	
Q0120 Q0601 D0101 D0102 D0103 D0104 D0105 D0106	2SD601A/QR/-X UN2213-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X	TRANSISTOR DIGI TRANSISTOR Z DIODE			R0101 R0102 R0103 R0104 R0105 R0106 R0107 R0108	NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J	

Δ Ref. No.	Parts No.	Parts Name	Description	Local	&Ref. No.	Parts No.	Parts Name	Description	Local
R0110 R0112 R0113	NRSA63J-823X NRSA63J-823X NRSA63J-750X	MG RESISTOR MG RESISTOR MG RESISTOR	82kΩ 1/16W J 82kΩ 1/16W J 75Ω 1/16W J		R0630 R0651	NRSA63J-101X NRSA63J-331X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 330Ω 1/16W J	
R0114 R0115 R0116	NRSA63J-473X NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR MG RESISTOR	47kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J		L0114 L0603 L0605	QQR0716-001Z QRN143J-0R0X QQL244K-4R7Z	FERRITE BEADS C RESISTOR COIL	0Ω 1/4W J 4.7uH K	
R0117 R0118 R0119 R0120 R0123 R0124 R0125 R0126 R0127	NRSA63J-823X NRSA63J-823X NRSA63J-391X NRSA63J-391X NRSA63J-104X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X	MG RESISTOR	82kΩ 1/16W J 82kΩ 1/16W J 390Ω 1/16W J 390Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 33kΩ 1/16W J 100Ω 1/16W J		CN0006 CN000F J0001 J0002 K0101 K0102 K0103 K0104	QGB1505K1-50 QGA2501C1-09 QNZ0465-001 QNZ0463-001 CE42681-001Y CE42681-001Y CE42681-001Y	CONNECTOR CONNECTOR 21P CONNECTOR 21P CONNECTOR CHIP BEADS CORE CHIP BEADS CORE CHIP BEADS CORE CHIP BEADS CORE	B-B (1-50) W-B (1-9) EXT-2 EXT-1	
R0127 R0128 R0129 R0130 R0131 R0132 R0133 R0134 R0135 R0136 R0137 R0140 R0141 R0142 R0143 R0144 R0144 R0144 R0151 R0152 R0153 R0155 R0157 R0158 R0159 R0160 R0161 R0162 R0163 R0163 R0163 R0163 R0164 R0165		MG RESISTOR	100Ω 1/16W J 10kΩ 1/16W J 82kΩ 1/16W J 82kΩ 1/16W J 27kΩ 1/16W J 27kΩ 1/16W J 2.2kΩ 1/16W J 2.2kΩ 1/16W J 33kΩ 1/16W J 47kΩ 1/16W J 10kΩ 1/16W J 15kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 390Ω 1/16W J 390Ω 1/16W J 390Ω 1/16W J 100Ω 1/16W J		K0104 K0601 K0602 LC0601 W1 W2 W3 W4 W5 W6 W8 W9 W10 W11 W12 W13 W14 W15 W16 W17 W18 W20 W21 W23 W24 W25 W26 W27 W28 W29 W30 W31 W32 W32 W31 W32 W33 W34	CE42681-001Y NQR0389-003X NQR0389-003X NQR0389-003X NQR0431-001X NRSA63J-0R0X	CHIP BEADS CORE FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS EMI FILTER MG RESISTOR	0.22uF 50V Z 0Ω 1/16W J	
R0166 R0167 R0168 R0169 R0170 R0171 R0172 R0173 R01774 R0175 R0177 R0180 R0181 R0182 R0183 R0188 R0189 R0190 R0191 R0192 R0193 R0194 R0195 R0199 R0202 R0203 R0204 R0205 R0202 R0203 R0204 R0205 R0207 R0208 R0209 R0211 R0212 R0606 R0628 R0629	NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-333X NRSA63J-222X NRSA63J-473X NRSA63J-103X NRSA63J-153X NRSA63J-153X NRSA63J-153X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-333X NRSA63J-333X NRSA63J-222X NRSA63J-333X NRSA63J-222X NRSA63J-562X NRSA63J-562X NRSA63J-562X NRSA63J-101X NRSA63J-562X NRSA63J-101X NRSA63J-502X NRSA63J-101X NRSA63J-750X NRSA63J-101X ORK126J-181 NRSA63J-333X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-183 NRSA63J-183 NRSA63J-183 NRSA63J-183 NRSA63J-183 NRSA63J-103X	MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 200Ω 1/16W J 22.kΩ 1/16W J 22.kΩ 1/16W J 82kΩ 1/16W J 10kΩ 1/16W J 15kΩ 1/16W J 15kΩ 1/16W J 100Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 200Ω 1/16W J		W35 W36 W37 W38 W40 W41 W42 W43 W44 W45 X0601 Y0101 Y0102 Y0603 Y0604 Y0621	NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X CE42546-001Z NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J	



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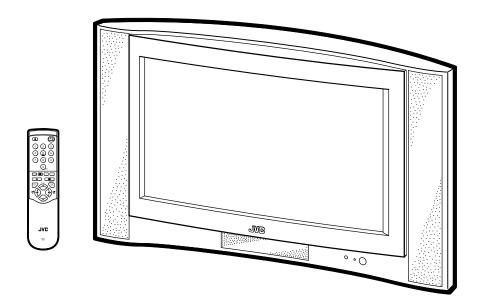
SCHEMATIC DIAGRAMS

COLOUR TELEVISION

AV28R25EKS/c

CD-ROM No.SML200308

JL2



AV28R25EKS/c

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the Asymbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2) Setting positions of each knob/button and

: Original setting position variable resistor when shipped

(3)Internal resistance of tester :DC 20k Ω /V

(4)Oscilloscope sweeping time ⇒ 20µs/div

> :V ⇒ 5ms/div

:Others \Rightarrow Sweeping time is

specified

(5) Voltage values :All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

No unit $[\Omega]$:[k Ω] M :[M Ω 1

Rated allowable power

No indication :1/16 [W] :As specified Others

Type

No indication :Carbon resistor OMR :Oxide metal film resistor MFR :Metal film resistor

MPR :Metal plate resistor **UNFR** :Uninflammable resistor

FR :Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

1 or higher :[pF] less than 1 :[µF Withstand voltage

No indication :DC50[V]

:DC withstand voltage [V] Others AC indicated :AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]:Capacitance value [µF]/withstand voltage[V]

Type

No indication :Ceramic capacitor MM :Metalized mylar capacitor :Polypropylene capacitor MPP :Metalized polypropylene capacitor MF :Metalized film capacitor

TF :Thin film capacitor ΒP :Bipolar electrolytic capacitor TAN

(3)Coils

[H4]: No unit Others :As specified

(4)Power Supply



:Tantalum capacitor

*Respective voltage values are indicated

(5)Test point







(7)Ground symbol

:ISOLATED(NEUTRAL) side ground

:EARTH around :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND and the ISOLATED(NEUTRAL): (___) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.
- ♦ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

♦ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in

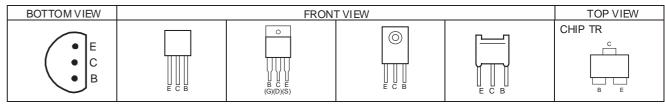
When ordering parts, please use the numbers that appear in the Parts List.

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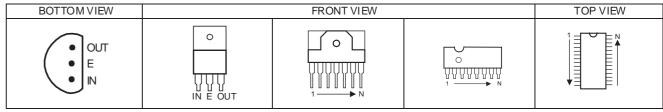
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CRT SOCKET PWB CIRCUIT DIAGRAM	
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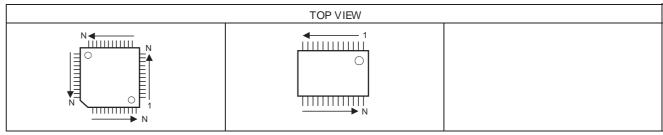
TRANSISTOR



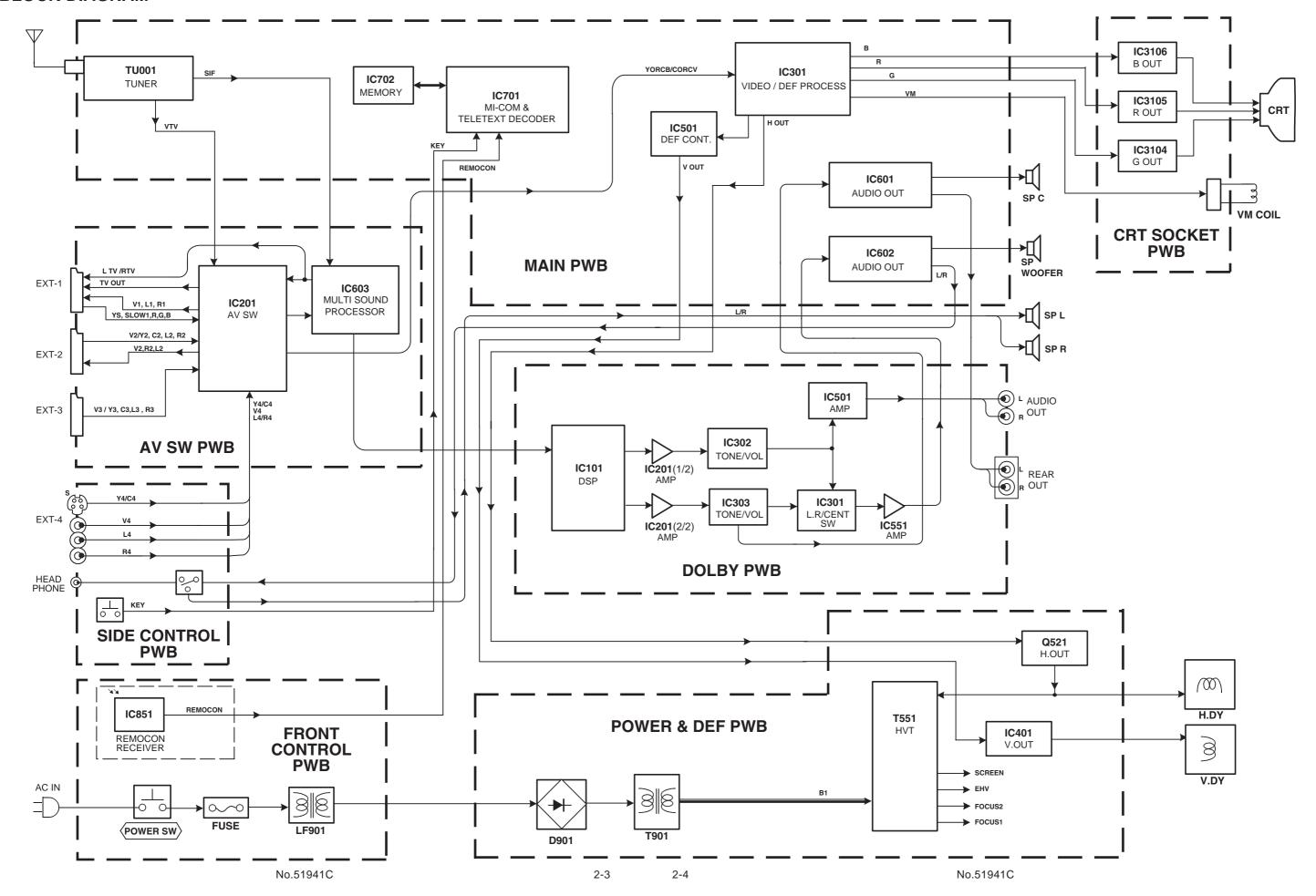
IC



CHIP IC

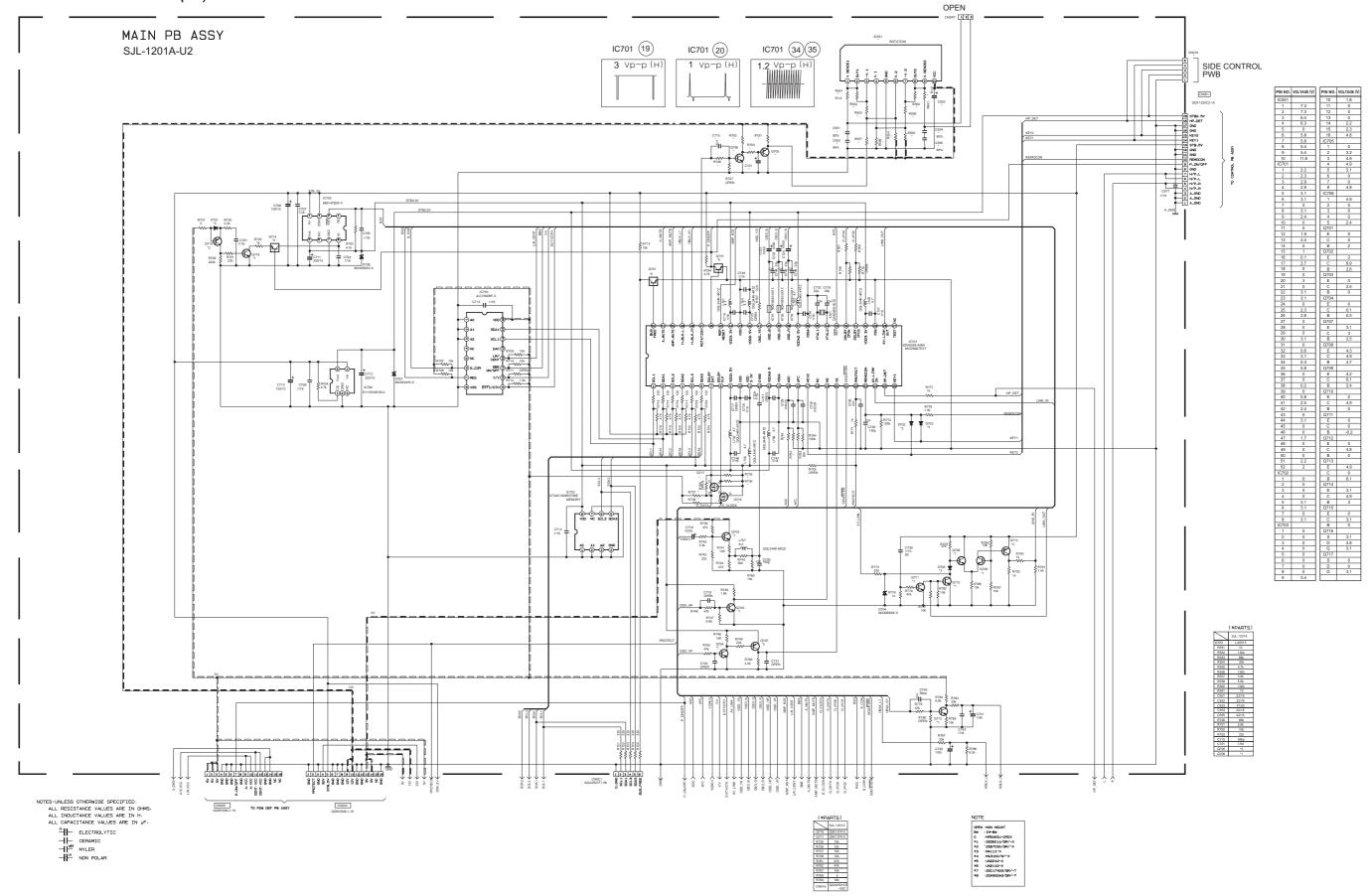


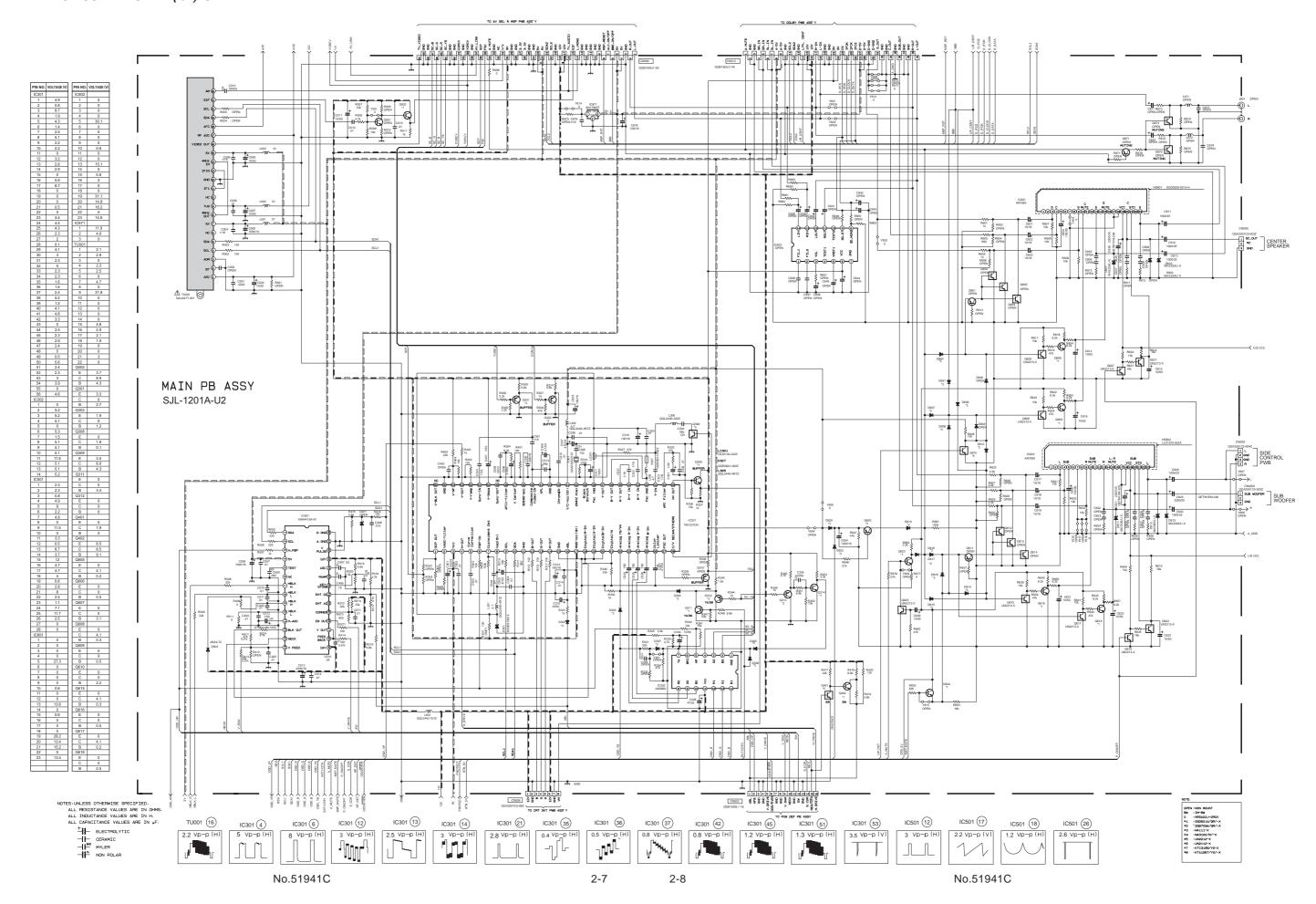
BLOCK DIAGRAM

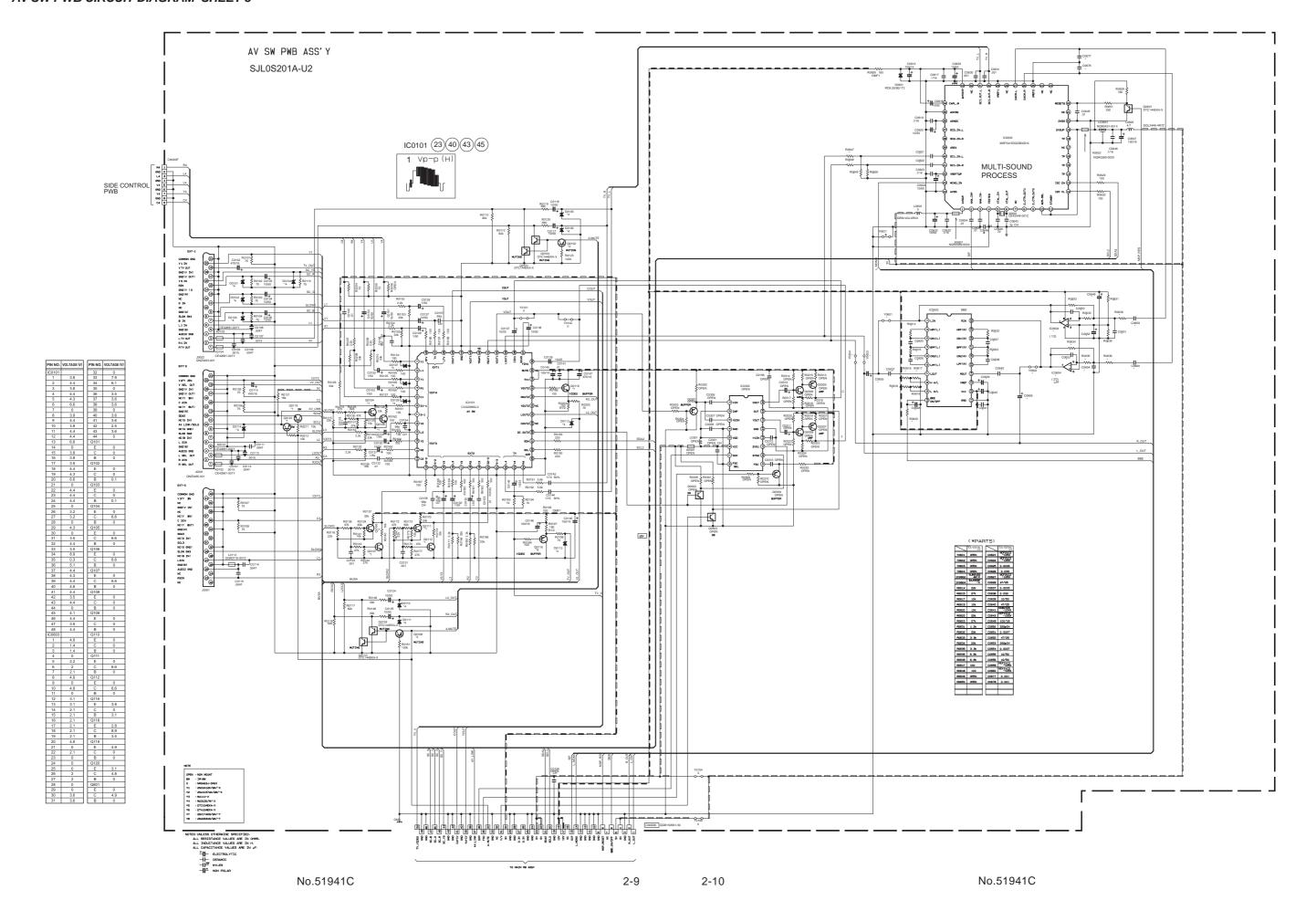


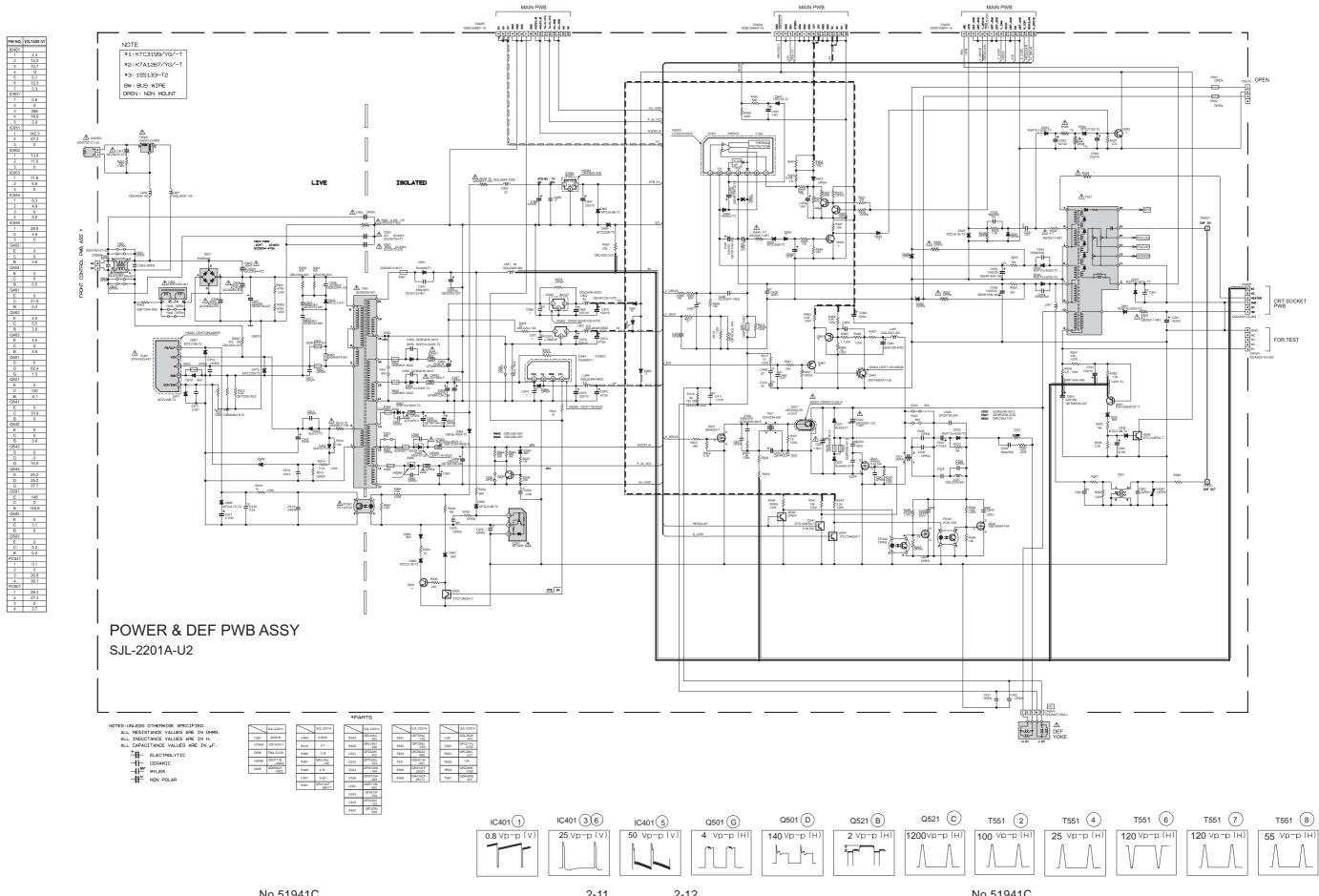
CIRCUIT DIAGRAMS

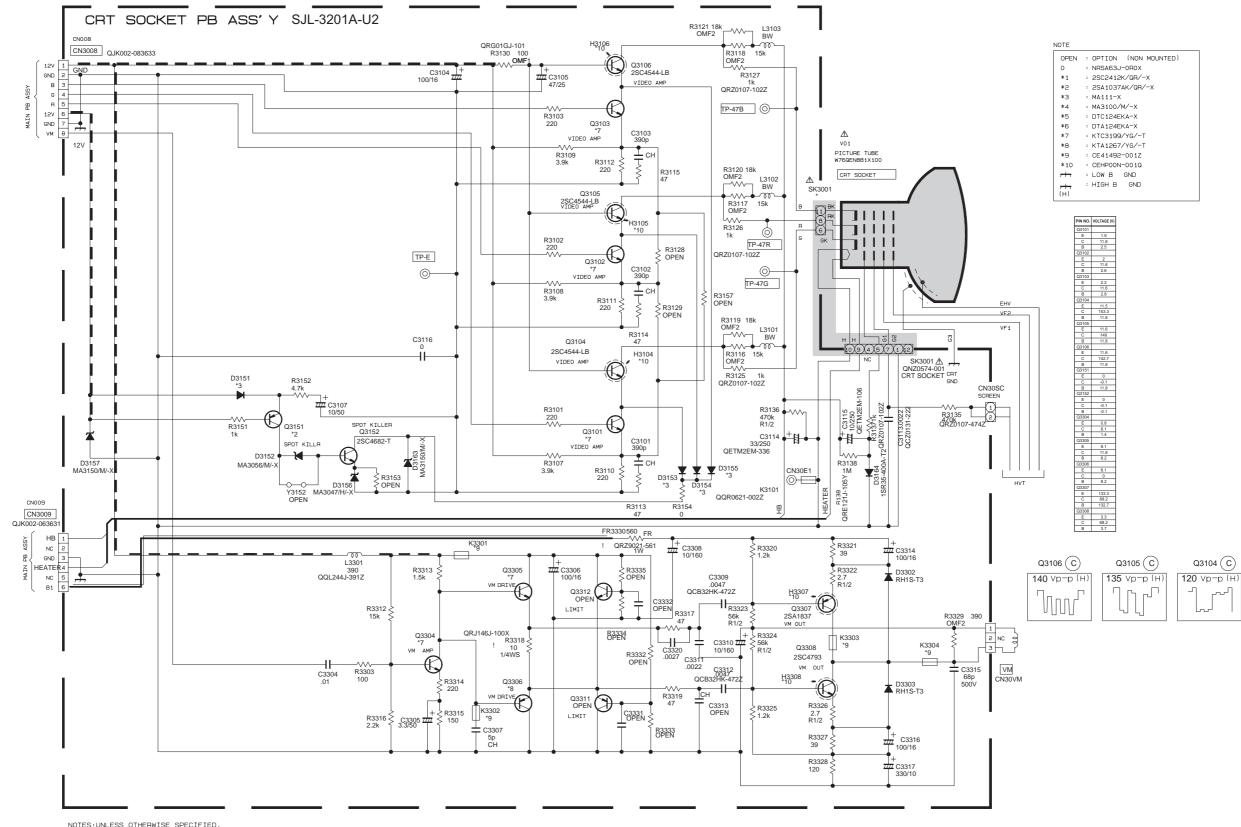
MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET 1











NOTES: UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCE VALUES ARE IN OHMS.

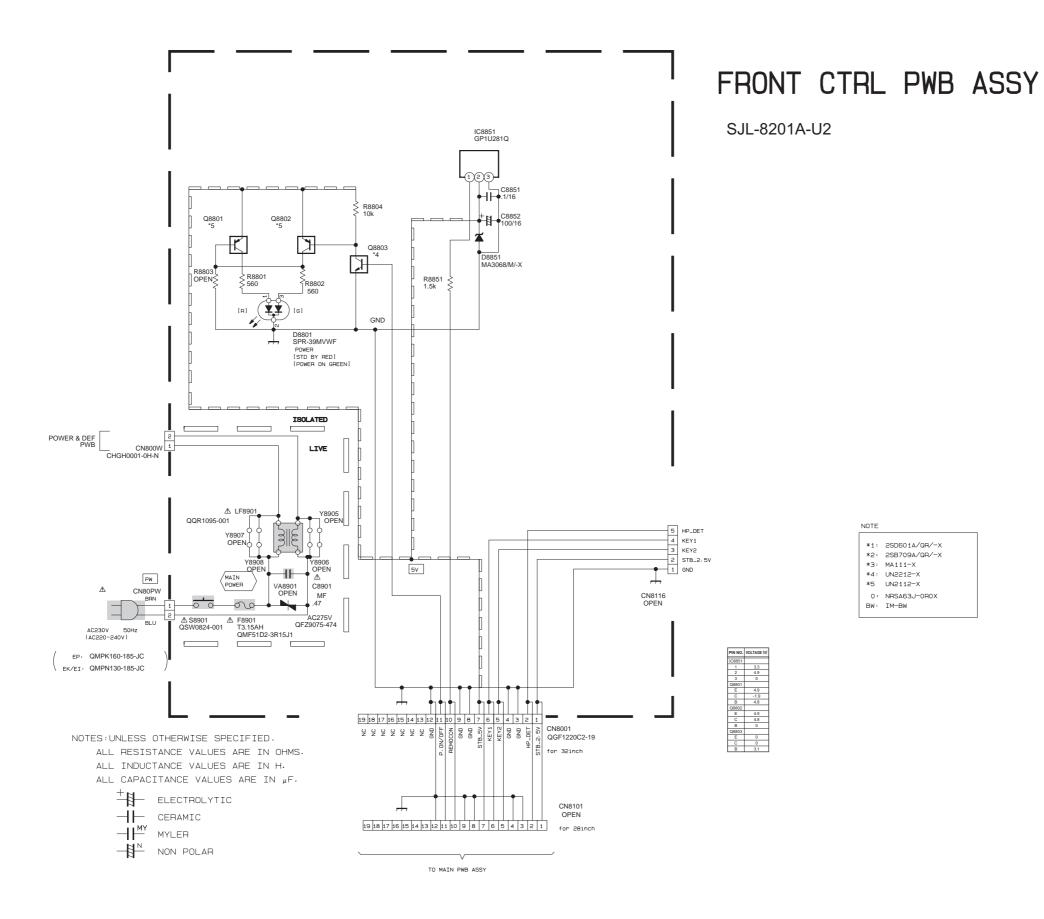
ALL INDUCTANCE VALUES ARE IN H. ALL CAPACITANCE VALUES ARE IN μF

+ ELECTROLYTIC

CERAMIC

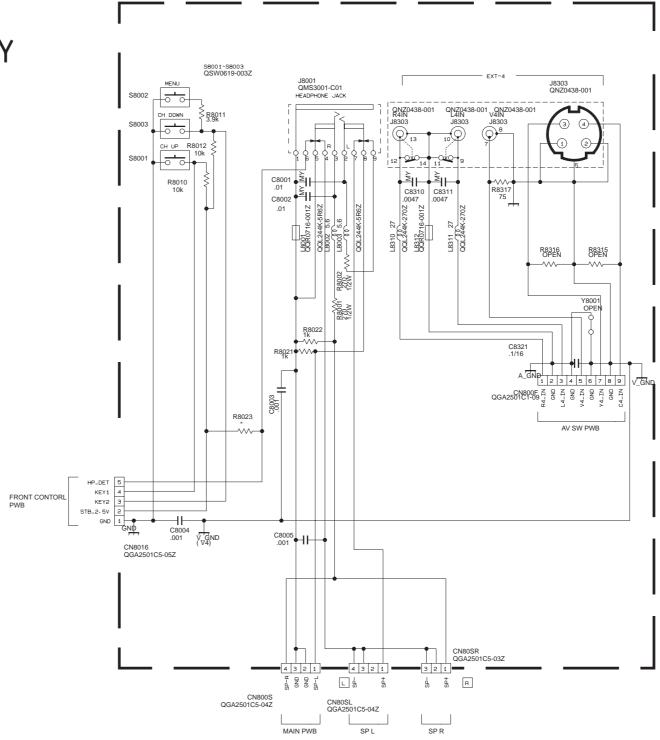
MYLER

NON POLAR



SIDE CTRL PWB ASSY

SJL-8101A-U2



NOTES: UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.

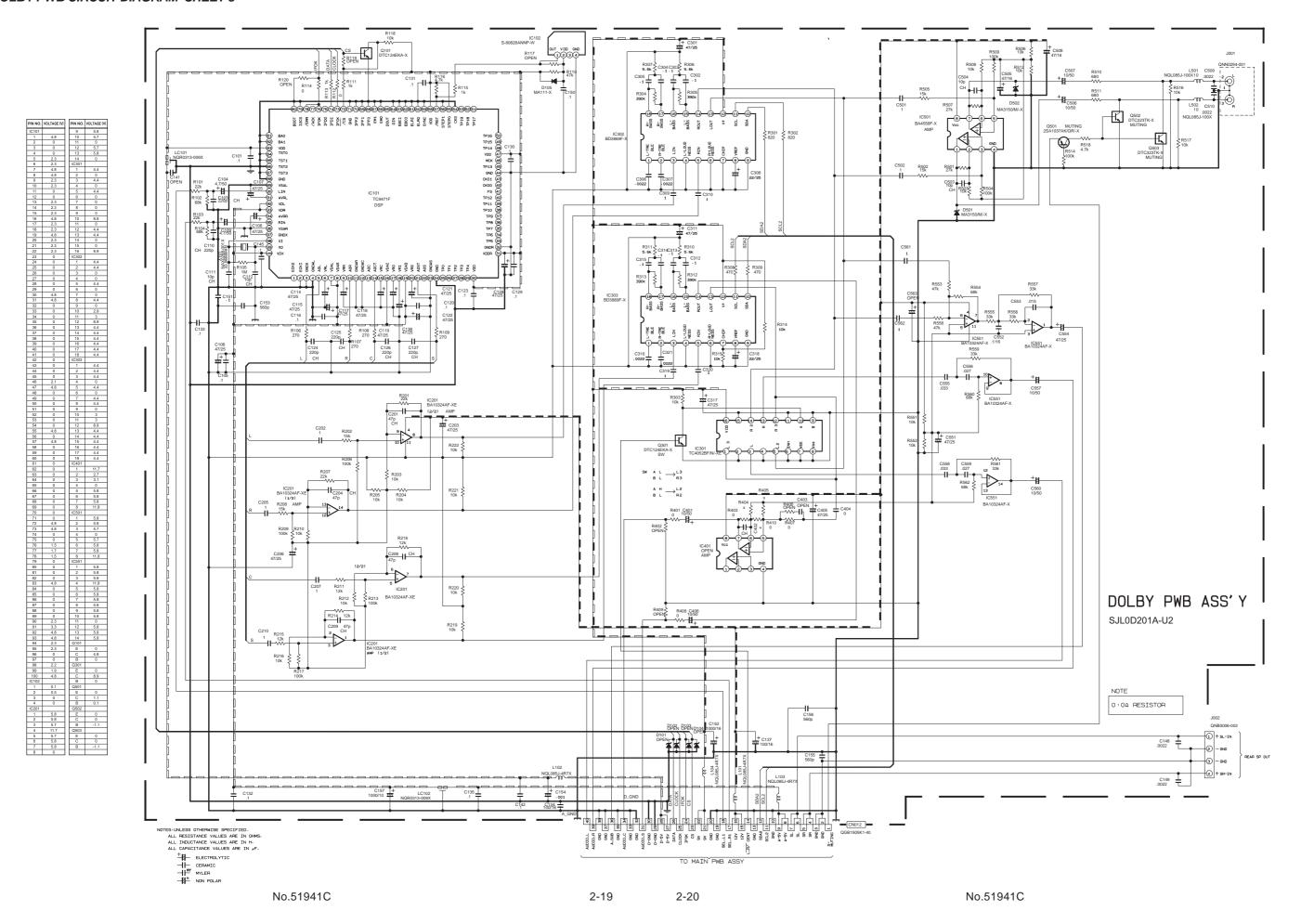
ALL CAPACITANCE VALUES ARE IN μF .

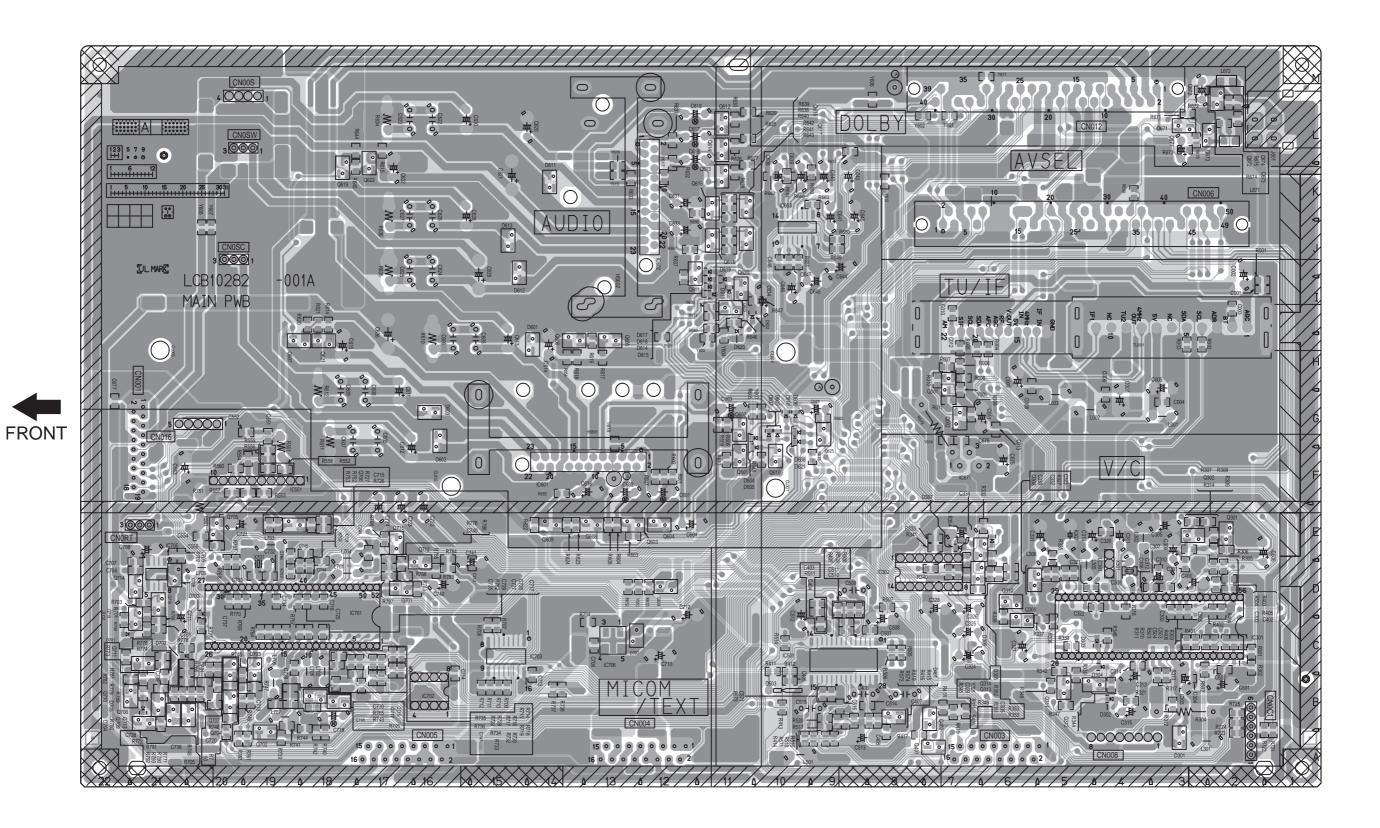
+ ELECTROLYTIC

→ CERAMIC
→ MY
MYLER

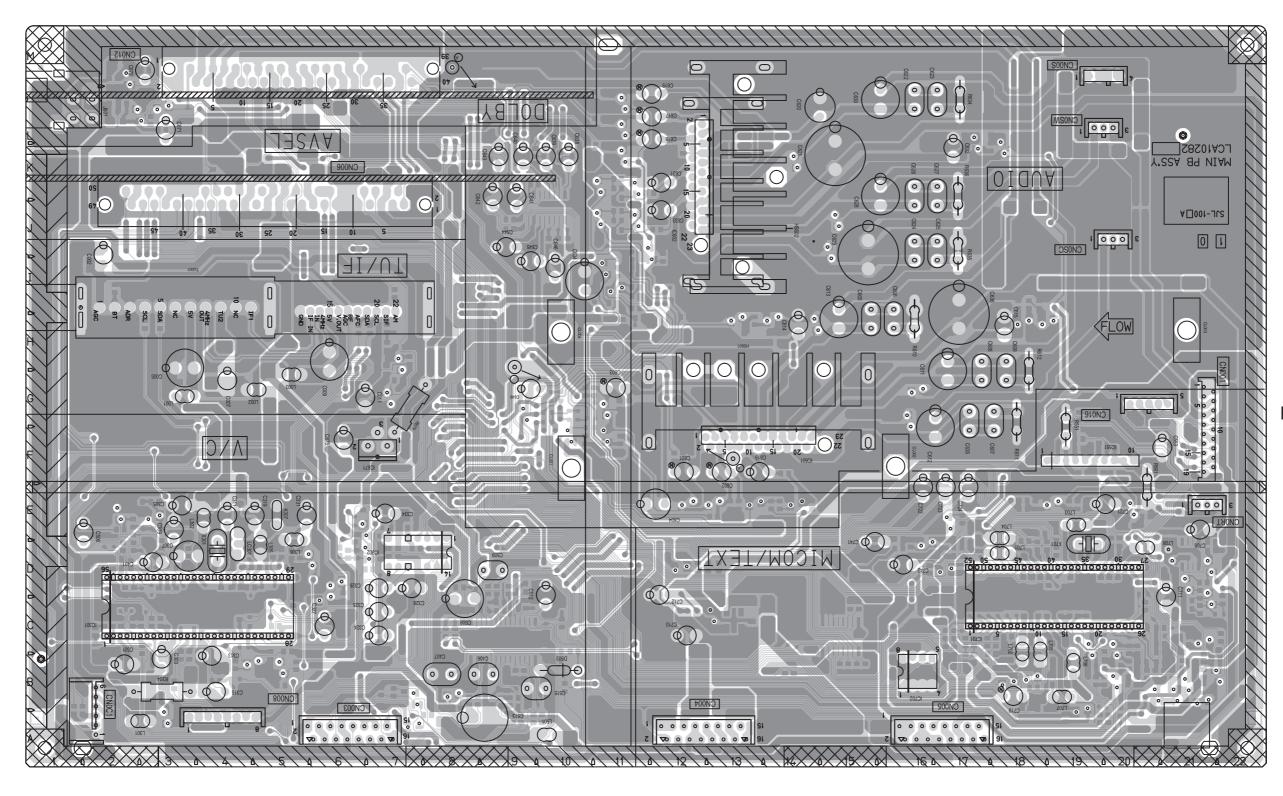
NON POLAR

*1: 2SC2412K/QR/-X *2: 2SA1037AK/QR/-X *3: MA111-X *4: DTC124EKA-X *5: DTA124EKA-X 0: NRSA63J-OROX BW: IM-BW

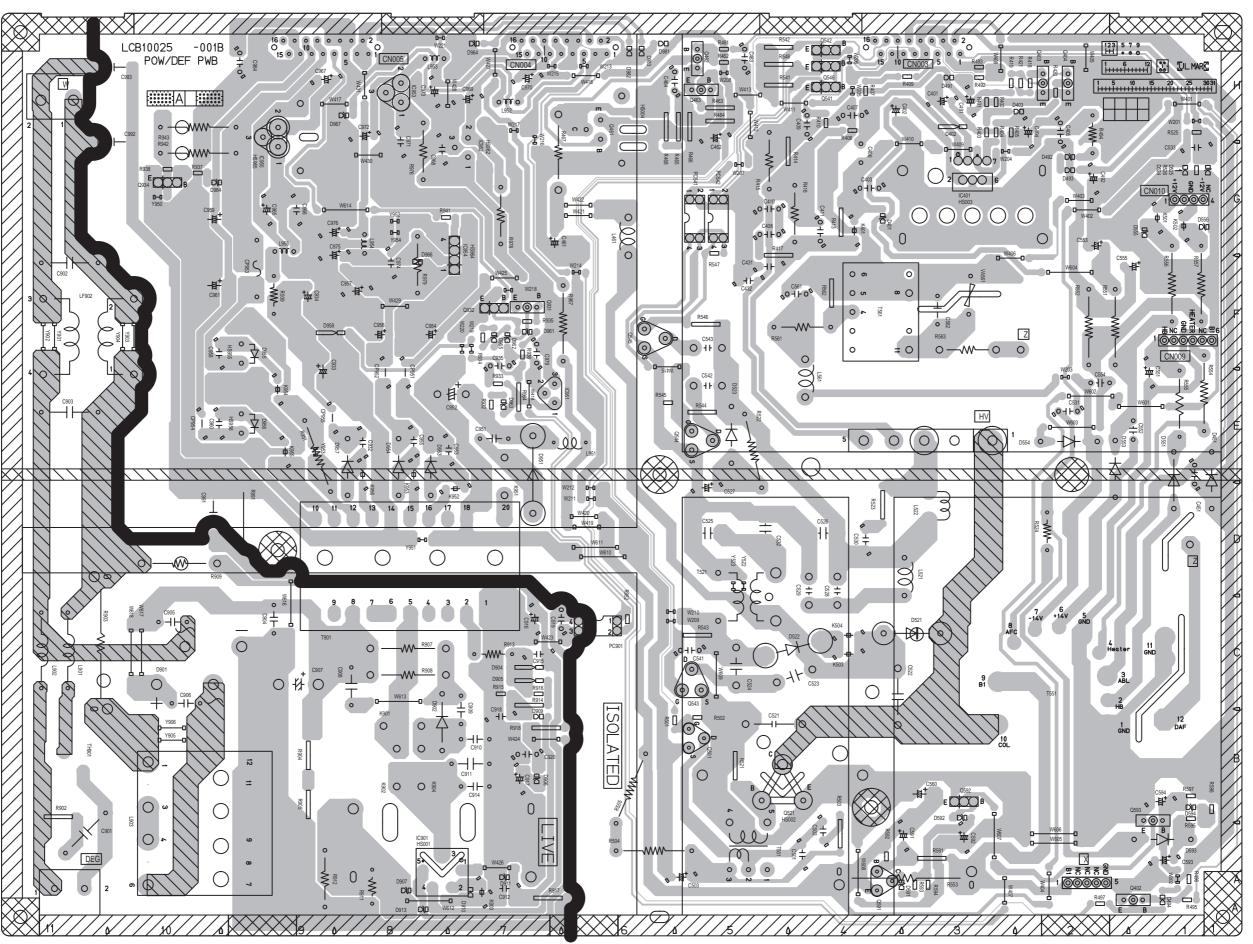


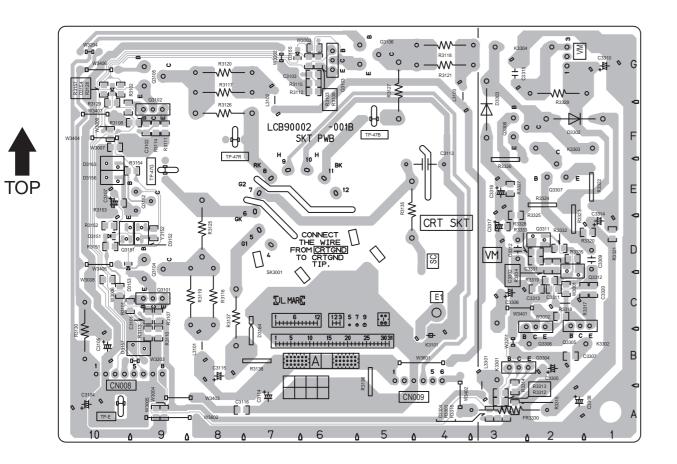




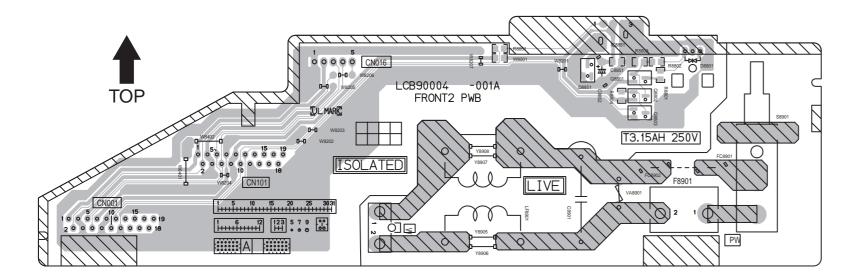


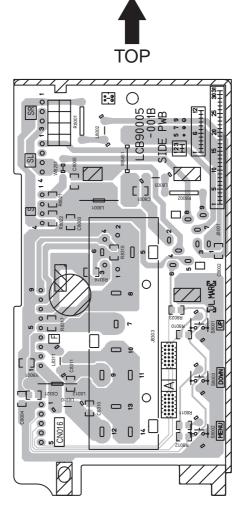


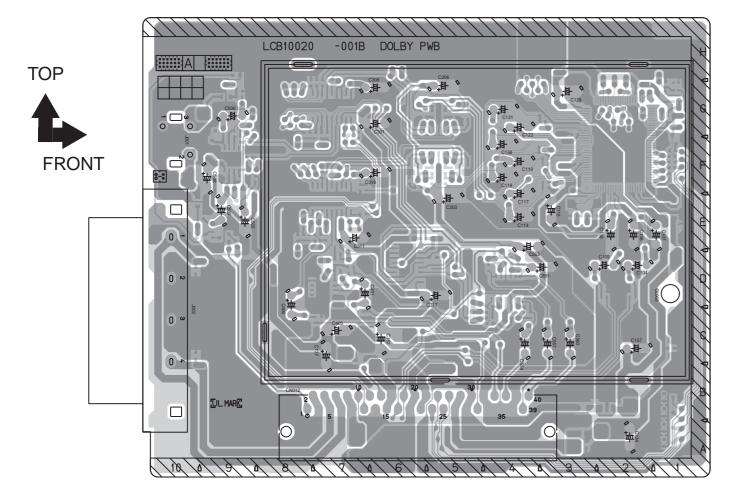


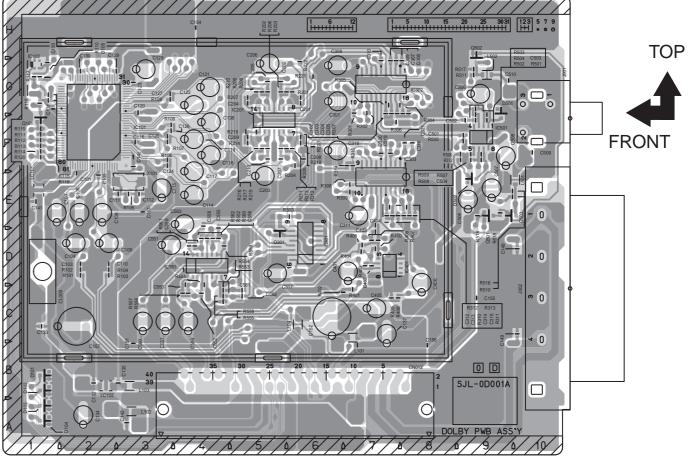


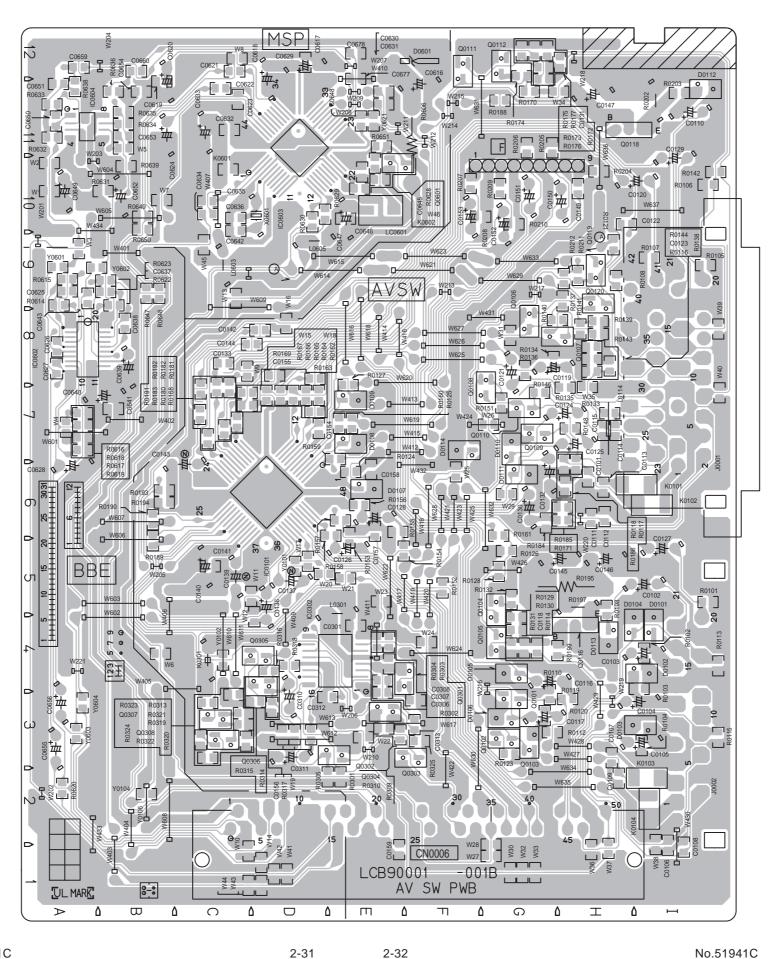
FRONT CONTROL PWB PATTERN















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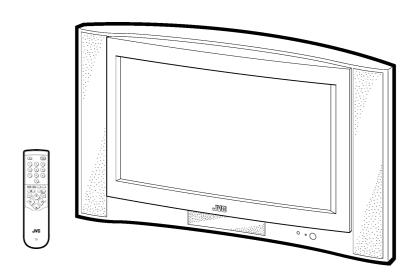
SERVICE MANUAL

COLOUR TELEVISION

AV28R25EKS AV28R250EKS

BASIC CHASSIS

JL



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SPECIFICATIONS

14	Content			
Item	AV28R25EKS / AV28R250EKS			
Dimensions (W × H × D)	854mm× 507.5mm×493.5mm			
Mass	43.0kg			
TV RF System	CCIR(I)			
Colour System	PAL			
	NTSC (Only in EXT mode)			
Stere o System	NICAM			
Teletext System	FLOF (Fastext)			
	WST(Standard system)			
Receiving Frequency				
UHF	470MHz ~ 862MHz			
Intermediate Frequency				
VIF Carrier				
SIF Carrier	32.9MHz (6.0MHz:l)			
Colour Sub Carrier Freq. PAL	4.43MHz			
NT SC	3.58MHz / 4.43MHz			
Power Input	AC 220V~240V ,50Hz			
Power Consumption	200W(Max) / 125W(Avg)			
·	Stand by: 3W			
Aerial Input Term	75 Ω un ba lanc ed, Coaxial			
Picture Tube	Visible size: 66cm, Measured diagonally			
High Voltage	+1kV 31.0kV _{-1.5kV} (at zero beam current)			
Speaker	6.5cm × 13cm Oval type × 2 (side), 4cm×16cm Oval type × 2 (center), ϕ 13cm Round type(sub woofer)			
Au dio Output	10W + 10W + 10W + 18W			
EXT-1/EXT-2/EXT-3	21-pin Euro connector			
(Input / Output)	(SCART socket)			
EXT-4 (Input) Video	1Vp-p 75Ω (RCA pin jack)			
Au dio (L/R)	500mVrms(-4dBs), High Impedance (RCA pin jack)			
S / Video	Y: 1Vp-p POSITIVE (Negative sync Provided, when terminated with $75\Omega)$			
	C : 0.286VP-P (Burst signal, when terminated with 75 $\!\Omega$)			
AUDIO OUT (Variable)	0~1Vms, Low Impedance (RCA pin jack × 2)			
SURROUND REAR output	7.5W + 7.5W, Impedance 8 Ω (Pushterminal)			
Headphone jack	Stereo minijack (ϕ 3.5mm)			
Remote Control Unit	RM-C60H-1C (AAA/R03 dry battery × 2)			

Design & specifications are subject to change without notice.

★ Manufactured under license from Dolby Laboratories Licensing Corporation.

"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

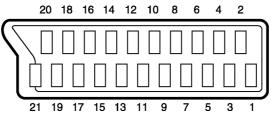
2 No.51941

■21-pin Euro connector (SCART socket): EXT-1 / EXT-2 / EXT-3

(P-P= Peak to Peak, S-W= Sync tip to white peak, B-W= Blanking to white peak)

Pin No.	Signal Designation	Matching Value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mVrms(Nominal), Low impedance	O (TV OUT)	O (LINE OUT)	NC
2	AUDIO R input	500mVrms(Nominal), High impedance	0	0	0
3	AUDIO L output	500mVrms(Nominal), Low impedance	O (TV OUT)	O (LINE OUT)	NC
4	AUDIO GND		0	0	0
5	GND (B)		0	0	0
6	AUDIO L input	500mVrms(Nominal), High impedance	0	0	0
7	Binput	700mV _{B-W} , 75Ω	0	NC	NC
8	FUNCTON SW (SLOW SW)	Low: 0-3V, High: 8-12V, High impedance	0	0	0
9	GND (G)		0	0	0
10	SCL3		NC	0	NC
11	G input	700mV _{B-W} , 75Ω	0	NC	NC
12	SDA3		NC	0	NC
13	GND (R)		0	0	0
14	GND (Y _S)		0	NC	NC
15	R / C input	R: $700 \text{mV}_{\text{B-W}}$, 75Ω C: $300 \text{mV}_{\text{P-P}}$, 75Ω	O (only R)	O (only C)	O (only C)
16	Ys input	Low: 0 - 0.4, High: 1 - 3V, 75Ω	0	NC	NC
17	GND(VIDEO output)		0	0	0
18	GND(VIDEO input)		0	0	0
19	VIDEO output	1V _{P-P} (Negative going sync), 75 Ω	O (TV)	O (LINE OUT)	NC
20	VIDEO / Y input	$1V_{P-P}$ (Negative going sync), 75 Ω	0	0	0
21	COMMON GND		0	0	0

[Pin assignment]



No.51941 3

SAFETY PRECAUTIONS

- The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which
- have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (\triangle) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

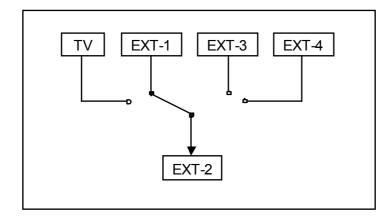
WARNING

- 1. The equipment has been designed and manufactured to meet international safety standards.
- 2. It is the legal responsibility of the repairer to ensure that theses afety standards are maintained.
- 3. Repairs must be made in accordance with the relevant safety standards.
- 4. It is essential that safety critical components are replaced by approved parts.
- 5. If mains voltage selector is provided, check setting for local voltage.

4 No.51941

FEATURES

- By preference, users can select the picture size from REGULAR, PANORAMIC, FULL, 14:9 ZOOM, 16:9 ZOOM, 16:9 ZOOM SUB TITLE modes. When the TV unit received WSS picture signal, the picture can be changed to 16:9 ZOOM mode automatically.
- The TELETEXT SYSTEM has a built-in FASTEXT, and WST system.
- Because this TV unit corresponds to multiplex broadcast, users can enjoy music programs and sporting events with live realism.
 In addition, BILINGUAL programs can be heard in their original language.
- Users can make VCR dubbing of picture and sound by controlling the AV selector to select an optional source at the EXT-2 output shown in figure.
- Built-inn DOLBY PRO LOGIC 3D-PHONE function.



MAIN DIFFERENCE LIST

Δ	Model Name Part Name	AV28R25EKS	AV28R250EKS
⚠	RATING LABEL	LC11364-001A-U	LC11364-011A-U

No.51941 5

SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

- 1. Unplug the power cord.
- 2. Remove the SUB WOOFER CORD from the AV TERMINAL.
- Pull up the SUB WOOFER UNIT on the top of the rear cover upward
- 4. Remove the 13 screws marked A as shown in the Fig. 1.
- 5. Withdrawthe rear cover toward you.

REMOVING THE SIDE CONTROL JACK ASSEMBLY

- After removing the rear cover.
- 1. Remove the screw marked **B** as shown in the Fig.1.
- 2. While slightly raise the side control jack assembly, remove the 2 claws under the side control jack assembly.
- Disconnect the connector "SR", "SL", "S", "F" and "CN016" as shown in Fig 2.

REMOVING THE SIDE CONTROL PWB

- After removing the rear cover and side control jack assembly.
- Remove the 3 claws C from back side of the side control jack assembly as shown in Fig. 2.
- 2. Pull out the SIDE CONTROL PW B.

REMOVING THE CHASSIS

- After removing the rear cover.
- Slightly raise the both sides of the chassis by hand and remove the two claws under the both sides of the chassis from the front cabinet.
- Withdrawthe chass is backward. (If necessary, take off the wire clamp, connectors etc.)

REMOVING THE CENTER SPEAKER

- After removing the rear cover and chas sis.
- 1. Remove the 2 screws marked **D** as shown in Fig. 1.
- 2. Remove the center speaker. If necessary, detach the cables.

REMOVING THE SIDE SPEAKER

- After removing the rear cover.
- Remove the 2 screws marked E, and remove the speaker holder as shown in Fig. 1.

NOTE: When removing the screws marked E of the speaker remove the lower side screw first, and then remove the upper one.

- 2. Remove the 2 screws F attaching the speaker.
- 3. Follow the same steps when removing the other hand speaker.

REMOVING THE AV TERMINAL BOARD

- After removing the rear cover.
- 1. Remove the 5 screws marked G as shown in the Fig. 1.
- 2. Remove the 2 claws marked ${\bf H}$ under the CHASSIS as shown in Fig. 3.
- 3. Remove the AV TERMINAL BOARD slightly in the direction of arrow I as shown in Fig. 3.
- After removing the craw J on the connector for SUB WOOFER, pull out the connector for SUB WOOFER. (Fig. 4)

CHECKING THE PW BOARD

To check the back side of the PW Board.

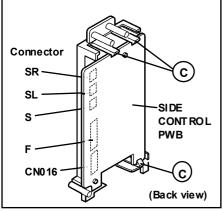
- 1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
- Erect the chassis vertically so that you can easily check the back side of the PW Board.

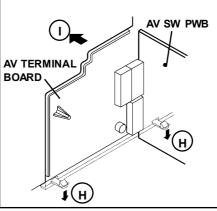
[CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

WIRE CLAMPING AND CABLE TYING

- 1. Be sure to clamp the wire.
- Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.





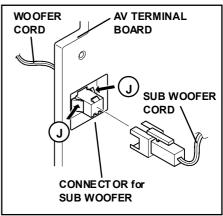


Fig. 2 Fig. 3 Fig. 4

6 No.51941

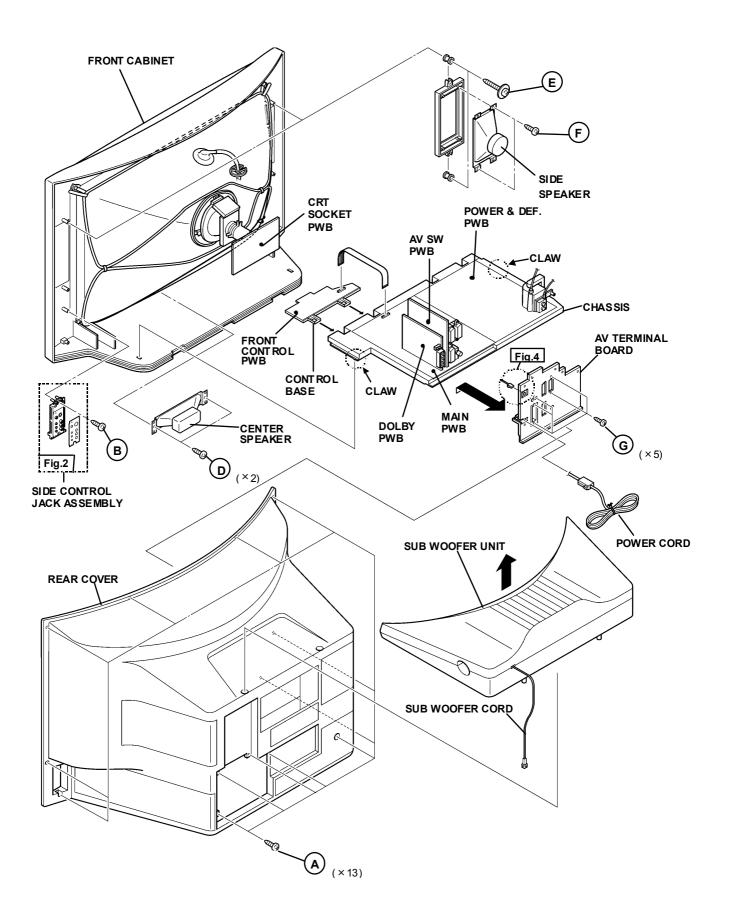


Fig. 1

No.51941 7

REMOVING THE CRT

- * Replacement of the CRT should be performed by 2 or more persons.
- After removing the cover, chassis etc.,
- 1. Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 5).
- 2. While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig.6.
- Remove 4 screws marked by arrows with a box type screw driver as shown in Fig. 6.
- Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.
- 4. After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig.7.
- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- * The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

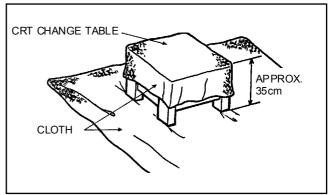


Fig. 5

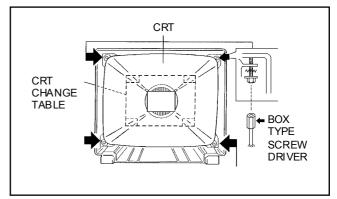


Fig. 6

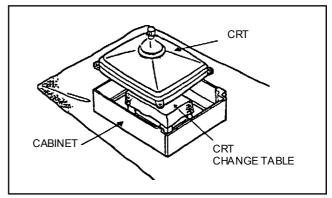
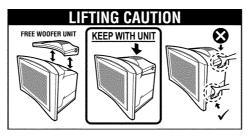


Fig. 7

CAUTION

- The woofer unit is mounted on the TV. Always move the TV and woofer unit together when removing the TV from the box, or when moving the woofer unit.
- If the TV is tilted during movement the woofer unit may fall. Be careful to keep the TV level when moving it.
- Do not grip the woofer unit when moving the TV.
- Do not place objects on the woofer unit duct.



REPLACEMENT OF MEMORY ICS

1. Memory ICs

This TV us e memory ICs. In the memory ICs, there are memorized data for correctly operating the video and deflection circuits. When replacing memory ICs, be sure to use ICs written with the initial values of data.

2. Procedure for replacing memory ICs

PROCEDURE

(1) Power off

Switch the power off and unplug the power cord from the outlet.

(2) Replace ICs.

Be sure to use memory ICs written with the initial data values.

(3) Power on

Plug the power cord into the outlet and switch the power on.

(4) Check and set SYSTEM CONSTANT SET:

- It must not adjust without signal.
 - Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously.
 - 2) The SERVICE MENU screen of Fig. 1 will be displayed.
- 3) While the SERVICE MENU is displayed, press the INFORMATION key and MUTING key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.
- 4) Check the setting values of the SYSTEM CONSTANT SET of Table 1. If the value is different, select the setting item with the FUNCTION UP/DOWN key, and set the correct value with the FUNCTION -/+ key.
- 5) Press the MENU key to memorize the setting value.
- Press the INFORMATION key twice, and return to the normal screen.

(5) Setting of receive channels

Set the receive channel.

For setting, refer to the OPERATING INSTRUCTIONS.

(6) User settings

Check the user setting values of Table 2, and if setting value is different, set the correct value.

For setting, refer to the OPERATING INSTRUCTIONS.

(7) Setting of SERVICE MENU

Verify the setting items of the $\textbf{SERVICE\,MENU}$ of Table 3, and reset where necessary.

For setting, refer to the SERVICE ADJUSTMENTS.

SERVICE MENU

1. IF 2. V/C 3. AUDIO 4. DEF 5. VSM PRESET 6. VPS 7. SHIPPING (OFF)

1-7: SELECT i: EXIT

Fig.1

SYSTEM CONSTANTSET

 $\mathsf{MODEL=JL_EURO}(*_.****)$

1. DESTINATION: EK

JVC JL EURO V00

*** ****

- + OK:STORE i: EXIT

Fig.2

NAME OF REMOTE CONTROL KEY

NAME OF REMOTE CONTROL RET						
Names of key	key					
INFORMATION	(i)					
MUTING	*					
MENU	(K)					
FUNCTION UP/DOWN	(3) (3)					
FUNCTION /+	(3)					

SETTING VALUES OF SYSTEM CONSTANT SET (TABLE 1)

Setting item	Setting content	Setting value	Setting item	Setting content	Setting value
1.DESTINATION	→EK→EI →EP	EK	5.COMB	YES←→NO	NO
2.DOLBY	YES ← NO	YES	6.PICTUR TILT	YES ← NO	NO
3.BBE	YES←→ NO	NO	7.FLAT	YES ← NO	YES
4.TV SPEAKER	YES ← NO	YES	8.3-D	YES←→NO	NO

USER SETTING VALUES (TABLE 2)

SOUND LEVEL	10	SUB POWER	ON
SHIPPING CHANNEL	1	ZOOM MODE	PANORAMIC

	US ER MENU SETTING						
PICTURE	SETTING	EXT SETTING					
TINT CONTRAST BRIGHT SHARP COLOUR	REFER to VSM PRESET	DUBBING	EXT-1→EXT-2				
PICTURE	FEATURES	FEAT	URES				
AUTO VNR COLOUR SYSTEM	AUTO TV : According to preset CH EXT : AUTO	SLEEP TIMER BLUE BACK	OFF ON				
4:3 AUTO ASPECT	PANO RAMIC	CHILD LOCK DECODER (EXT-2)	ID : No.**** ALL CH OFF OFF				
SOUND	SETTING	INSTALL					
STEREO/ I·II BASS	CENTER	LANG UAGE	ENGLISH				
TREBLE	CENTER	EDIT/MANUAL	PRESET CH only				
DIGITAL S	URROUND		The others : BLANK				
PRO LOGIC 3-D PHONIC LEVEL	CINEMA / SPORT CENTER	DEMO	OFF				

SERVICE MENU SETTING ITEMS (TABLE 3)

Setting item	Setting value	Setting item	Setting value
1. IF	1. CUT OFF 2. DRIVE 3. BRIGHT 4. CONT. 5. COLOUR 6. HUE 7. BLACK OFFSET (Only SECAM) 8. SHARP	4. DEF.	1. V-SHIFT 2. V-SIZE 3. SUBTIT LE 4. H-CENT 5. H-SIZE 6. EW-PIN 7. TRAPEZ 8. EW. COR. L 9. EW. COR. H 10. V. S-COR 11. V- LIN 12. H-BLK-R 13. H-BLK-L 14. V-EHT 15. H-EHT
		5. VSM PRESET COOL NORMAL WARM	16. EHT-GAIN 1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. B DRIVE
3. AUDIO (Do not adjust)	1. ERROR LIMIT 2. A2 ID THR 3. BASS	6. VPS (Do not adjust)	VPS PDC WSS
	4. TREBLE	7. SHIPPING (Do not adjust)	ON / OFF

REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

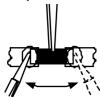
- 1. Avoid heating for more than 3 seconds.
- 2. Do not rub the electrodes and the resist parts of the pattern.
- 3. When removing a chip part, melt the solder adequately.
- 4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

- 1. Use a high insulation soldering iron with a thin pointed end of it.
- 2. A 30 w s oldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

- 1. How to remove Chip parts
- Resistors, capacitors, etc
- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

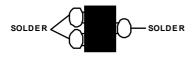


(2) Shift with tweezers and remove the chip part.



◆ Transistors, diodes, variable resistors, etc

(1) Apply extra solder to each lead.



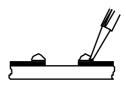
(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



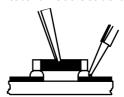
Note: After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts

- Resistors, capacitors, etc
 - (1) Apply solder to the pattern as indicated in the figure.



(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

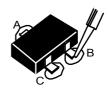


◆ Transistors, diodes, variable resistors, etc

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads **B** and **C**.



SERVICE ADJUSTMENTS

BEFORE STARTING SERVICE ADJUSTMENT

- There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- Make sure that connection is correctly made to AC power source
- 4. Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.
- 5. If the receive or input signal is not specified, use the most appropriate signal for adjustment.

- Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
- Preparation for adjustment (presetting):
 Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT:

Setting position

PICTURE MODE (VSM)	NORMAL
SLEEPTIMER	OFF
BALANCE	CENTER
ZOOM	PANORAMIC

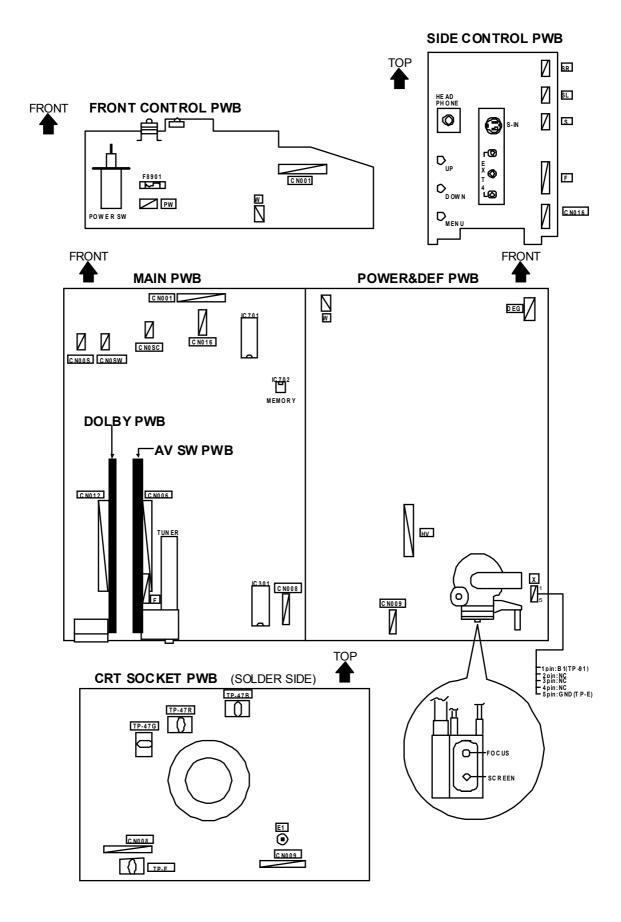
MEASURING INSTRUMENT AND FIXTURES

- 1. DC voltmeter (or digital voltmeter)
- 2. Oscilloscope
- 3. Signal generator (Pattern generator) [PAL / NTSC]
- 4. Remote control unit

ADJUSTMENT ITEMS

- B1 POWER SUPPLY check.
- HIGH VOLTAGE check.
- FOCUS Adjustment.
- IF circuit adjustment.
- VSM preset adjust setting.
- VIDEO / CHROMA circ uit adjust ment.
- DEFLECTION circuit adjustment.
- H BLANKING adjustment.
- AUDIO circuit adjustment. (Do not adjust)

ADJUSTMENT LOCATIONS



BASIC OPERATION SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings (adjustments):

(1) 1. IF · · · · · This mode adjusts the setting values of the IF circuit.

(2) 2.V/C · · · · This mode adjusts the setting values of the VIDEO / CHROMA circuit.

(3) 3. AUDIO This mode adjusts the setting values of the multiplicity SOUND circuit. (Do not adjust)

(4) **4. DEF** This mode adjusts the setting values of the DEFLECTION circuit for each as pect mode given below.

REGULAR (50/60 Hz)
PANO RAMIC (50/60 Hz)
14:9 ZO OM (50/60 Hz)
16:9 ZO OM (50/60 Hz)
16:9 S UB TITLE (50/60 Hz)
FULL (50/60 Hz)

(5) **5.VSM PRESET**······ This mode adjusts the initial setting values of COOL, NORMAL and WARM.

(VSM: Video Status Memory)

(6) 6.VPS · · · · · This mode shows the monitor of the VPS, PDC and WSS. (Do not adjust)

(VPS: Video Program System, PDC: Program Delivery Code, WSS: Wide Screen Signalling)

(7) 7.SHIPPING This menu is set at shipping. (Do not adjust)

3. BASIC OPERATION OF SERVICE MENU

(1) How to enter SERVICE MENU

Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.

SERVICE MENU

\$ERVICE MENU 1. IF 2. V/C 3. AUDIO 4. DEF 5. VSM PRESET 6. VPS 7. SHIPPING (OFF) 1-7: SELECT i : EXIT

Fig. 1

(2) Selection of SUB MENU SCREEN

Press one of keys 1~7 of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU → SUB MENU

1. IF

2. V / C

3. AUDIO

4. DEF.

5. VSM PRESET

6. VPS

7. SHIPPING

NEME OF REMOTE CONTOROL KEY

Names of key	key
INFORMATION	<u> </u>
MUTING	×
MENU	(oK)
FUNCTION UP/DOWN	(325)
FUNCTION ++	3

Fig.2

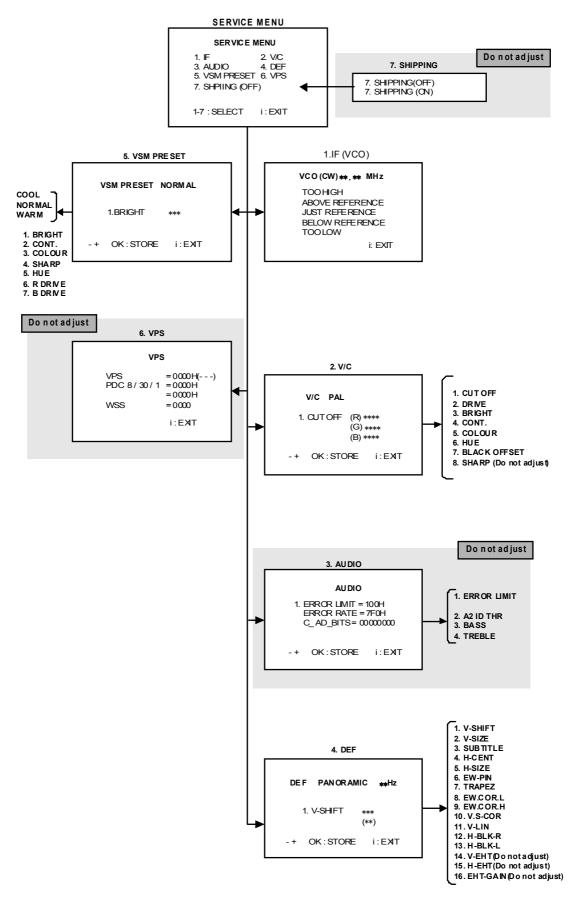


Fig. 3 SUB MENU SCREEN

AV28R25EKS AV28R250EKS

(3) Method of Setting

1) Method of Setting 1.IF

[VCO]

- ① 1 Key Select 1.IF.
- ② The VCO (CW) screen will be displayed in yellow when the AFC voltage is at a certain level and in blue when it is at other levels.
- ③ INFORMATION Key · · · · · · Return to the SERVICE MENU screen.
- 2) Method of setting 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.
- ① 2~5 Key····· Select one from 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.
- ② FUNCTION UP / DOWN Key · · · · Select setting items.
- ③ FUNCTION -/+····· Set (adjust) the setting values of the setting items.

(Use the number keys of the REMOTE CONTROL UNIT for setting of WHITE BALANCE.

For the setting, refer to each item concerned.)

④ MENU Key · · · · · Memorize the setting value.

(Before storing the setting values in memory, do not press the CH, TV, POWERON/ OFF key -

if you do, the values will not be stored in memory.)

⑤ INFORMATION Key · · · · · · Return to the **SERVICE MENU** screen.

3) Method of setting 6.VPS and 7.SHIPPING.

6.VPS · · · · · This mode displayed monitor of VPS systems. (Do not adjust)

7.SHIPPING · · · · · · When the MAIN POWER is turned on with the state of SHIPPING ON, you get a mode that

initializes every existing set value including language selection. Because this mode is set at the

factory upon completion of the adjustment, you need not to use it for service.

(Do not adjust in this mode.)

$(4) \ \ \textbf{Release of SERVICE MENU}$

1) After completing the setting, return to the SERVICE MENU, then again press the INFORMATION key.

ADJUSTMENTS

CHECK ITEM

Item	Measuring instrument	Test point	Ad justment part	Description
POWER SUPPLY Check	Signal generator DC voltmeter Remote control unit	TP-91(B1) TP-E(♣) [X connector on POWER DEF PWB]		 Receive a any broadcast. Push the "ZOOM" key and select the FULL mode. Select 2.V/C from the SERVICE MENU. Select 1. CUT OFF with Function UP/DOW N key. Show one horizontal line with the 1 key. Turn the SCREEN VR, the whole black screen display. Connect a DC voltmeter to TP-91(B1) and TP-E(→). Make sure that the voltage is DC143.0V ± 2.0V. Readjust the SCREEN VR to appear the horizontal line faintly, and cancel the horizontal line to press the 2 key.
VOLTAGE Check	Signal generator DC volunteer Remote control unit	CRT anode Chassis GND		 Receive a any broadcast. Push the "ZOOM" key and select the FULL mode. Select 2.V/C from the SERVICE MENU. Select 1.CUT OFF with Function UP/DOWN key. Show one horizontal line with the 1 key. Turn the SCREEN VR, the whole black screen display. Connect a DC voltmeter to CRT ANODE and chassis GND. Make sure that the voltage is DC 31.0kV -1.5kV Readjust the SCREEN VR to appear the horizontal line faintly, and connect the horizontal line to press 2 key.

ADJUSTMENT OF FOCUS

ltem	Measuring instrument	Test point	Ad justment part		Description
FOCUS	Signal		FOCUS VR	1.	Receive a cross-hatch signal. Select FULL mode.
Ad justment	generator		[In FBT]	2.	While watching the screen, adjust the FOCUS VR to make the vertical and horizontal lines as fine and sharp as possible.
				3.	Make sure that when the screen is darkened, the lines remain in good focus.
		FOCUS V			

IF CIRCUIT ADJUSTMENT

ltem	Measuring instrument	Test point	Ad justment part	Description
Ad justment of VCO	VCQ(CW) ***.** M TCO HGH ABOVE REFERENCE BELOW REFERENC TCO LOW i: E	E ≪ XE	- fv YELLOW	 Under normal conditions, no adjustment is required. Receive any broadcast. Select 1.IF from the SERVICE MENU. Check the characters colour of the JUST REFERENCE displayed to yellow.

VSM PRESET ADJUST SETTING

Item	Measuring instrument	Test point	Ad justment part		Description												
Setting of VSM PRESET	Remote control unit		1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. HUE 6. R DRIVE 7. B DRIVE	table. 4. Press the state of th	OL with the M FUNCTION L 1.BRIGHT ~ MENU key and bely select the N and make similal MENU key and	ENU key of the JP/DOWN and 7.B DRIVE to d memorize the VSM PRESET ar adjustment ad memorize the	e remote control /+ key to brin the values sho e set value. mode for NOR is in 3 above.	ng the secown in the									
			Setting item	SM preset mode	COOL	NORM AL	WARM										
			1. BRIGHT SETTIN	G VALUE	+0	+0	+0										
			2. CONT. SETTING	G VALUE	+12	+10	+2										
												3. COLOUF SETTING	R G VALUE	+6	+0	-2	
			4. SHARP SETTIN	G VALUE	+0	+0	-2										
			5. HUE SETTING	G VALUE	+0	+0	+0										
			6. R DRIVE SETTIN	E G VALUE	-20	+0	+16										
			7. B DRIVE SETTIN	G VALUE	+23	+0	-13										
				SETTING V	ALUES OF V	SM PRESET		4									

VIDEO / CHROMA CIRCUIT ADJUSTMENT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Setting Item (Adjustment Item)		Initial setting value
	R	-100
1. CUTOFF	G	-100
	В	-100
2. DRIVE	R	+0
2. DRIVE	В	+0
3. BRIGHT		+0
4. CONT.		-10

Colour system Setting item		Initial setting value				
		PAL	NT SC 3.58 NT SC 4.43			
5. COLOUR		+5	+5			
6. HUE	6. HUE		+2			
7. BLACK OFFSET	R-Y					
(SECAM) (Do not adjust)	В-Ү					
8. SHARP (Do not adjust)		-20	←			

Item	Measuring instrument	Test point	Ad justment part	Description
R	CUTOFF GC	NE OFF 2 UTOFF▲ B CU		 Set the PICTURE MODE to NORMAL. 1. Receive a black and white signal (colour off). 2. Select 2.V/C from the SERVICE MENU. 3. Select 1.CUT OFF with the FUNCTION UP/DOWN key. 4. Push the "ZOOM" key and select the "REGULAR" mode. 5. Show one horizontal line with the 1 key. 6. Gradually turn the SCREEN VR from the left end to the righ direction to bring one of the red, green or blue colour faintly visible. 7. Press 4~9 key, and bring out the other 2 colours and make one horizontal line visible in white. 8. Turn the SCREEN VR and bring one white horizontal line faintly visible. 9. Press 2 key, turn off 1.CUT OFF screen. 10. Press the MENU key and memorize the set value. NOTE: This adjustment is done by the REGULAR mode.

Item	Measuring instrument	Test point	Ad justment part	Description
Ad justment of WHITE BALANCE (High Light)	Signal generator Remote control unit REMOTE © 1 2 RDRME 4 4 5 RDRME 7 8	B DRIVE B DRIVE 9	2. DRIVE (R) * * * (B) * * *	 The adjustment for Low Light WHITE BALANCE should be finished. Set the PICTURE MODE to NORMAL. Receive a black and white signal (colour off). Push the "ZOOM" key and select the "PANORAMIC" mode. Select 2.V/C from the SERVICE MENU. Select 2.DRIVE with the FUNCTION UP/DOWN key. Change the screen colour to white with 4 key or 7 key (Drive of Red), 6 key or 9 key (Drive of Blue). Press the MENU key, and memorize the set values.
Adjustment of SUB BRIGHT	Remote control unit		3. BRIG HT	 Receive any broadcast. Push the "ZOOM" key and select "PANORAMIC" mode. Select 2.V/C from the SERVICE MENU. Select 3.BRIGHT with the FUNCTION UP/DOWN key. Set the initial setting value with the FUNCTION -/+ key. If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness. Press the MENU key and memorize the set value.
Adjustment of SUB CONTRAST	Remote control unit		4.CONT.	 Receive any broadcast. Push the "ZOOM" key and select the "PANORAMIC" mode. Select 2.V/C from the SERVICE MENU. Select 4.CONT with the FUNCTION UP/DOWN key. Set the initial setting value with the FUNCTION /+ key. If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast. Press the MENU key and memorize the set value.

Item	Measuring instrument	Test point	Ad justment part	Description
Adjustment of SUB COLOUR I	Remote control unit		5.COLOUR (PAL~NT SC) PAL COLOUR	[Method of adjustment without measuring instrument] (PAL COLOUR) 1. Receive PAL broadcast. 2. Push the "ZOOM" key and select the "PANORAMIC" mode. 3. Select 2.V/C from the SERVICE MENU. 4. Select 5.COLOUR with the FUNCTION UP/DOWN key. 5. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key. 6. If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. 7. Press the MENU key and memorize the set value.
			NTSC COLOUR	 (NTSC 3.58 COLOUR) 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal. 2. Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above.
				(NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

Item	Measuring instrument	Test point	Ad justment part	Description
Adjustment of SUB COLOUR II	Signal generator Os cill oscope Remote control unit W Cy Mg	TP-47B TP-E(#) [CRT SOCKET PWB] (A) (A) (+)	5.COLOUR (PAL~NTSC) PAL COLOUR NTSC COLOUR	(PAL COLOUR) 1. Receive a PAL full field colour bar signal (75% white). 2. Push the "ZOOM" key and select the "PANORAMIC" mode. 3. Select 2.V/C from the SERVICE MENU. 4. Select 5.COLOUR with the FUNCTION UP/DOWN key. 5. Set the initial setting value of PAL COLOUR with the FUNCTION - or + key. 6. Connect the oscilloscope between TP-47B and TP-E(→) on the CRT SOCKET PWB. 7. Adjust PAL COLOUR and bring the value of (A) in the illustration to the values as shown given billow table (Voltage difference between white (W) and blue (B)). 8. Press the MENU key and memorize the setting value. VOLTAGE (W-B) +2V (NTSC 3.58 COLOUR) 1. Input a NTSC 3.58 MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Set the initial setting value of NTSC 3.58 COLOUR with the FUNCTION -/+ key. 3. Adjust NTSC 3.58 COLOUR and bring the value of (A) in the illustration to the values as shown given billow table (Voltage difference between white (W) and blue (B)). 4. Press the MENU key and memorize the setting value. VOLTAGE (W-B) 0V (NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

Item	Measuring instrument	Test point	Ad justment part	Des cription
Ad justment of	Remote control unit		6. HUE	[Method of adjustment without measuring instrument]
SUB HUE I			NTSC 3.58 HUE	 [NTSC 3.58 HUE] Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. Push the "ZOOM" key and s elect the "PANORAMIC" mode. Select 2.V / C from the SERVICE MENU. Select 6. HUE with the FUNCTION UP/DOW N key. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION -/+ key. If you cannot get the best hue with the initial setting value make fine adjustment until you get the best hue. Press the MENU key and memorize the set value.
			NTSC 4.43 HUE	[NTSC 4.43 HUE] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
Ad justment	Signal	TP-47B	6. HUE	[Method of adjustment using measuring instrument]
of SUB HUE II	generator Os cill oscope Remote control unit	TP-E(#) [CRT SOCKET PWB]	NTSC 3.58 HUE	 [NTSC 3.58 HUE] Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. Select 2.V/C from the SERVICE MENU. Select 6. HUE with the FUNCTION UP/DOW N key. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION - or + key. Connect the oscilloscope between TP-47B and TP-E(→) on the CRT SOCKET PWB. Adjust NTSC 3.58 HUE to bring the value of (B) in the
	W Cv	(B) Ma B ↑	······ (-) ······ 0	illustration to the values shown given billow table (voltage difference between white (W) and magenta (Mg)). 7. Press the MENU key and memorize the setting value
		<u> </u>	(+)	VOLTAGE (W-Mg)
			NTSC 4.43 HUE	[NTSC 4.43 HUE] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
			NTSC 4.43 HUE	1. When NTSC 3.58 is set, NTSC 4.43 will be automat

DEFLECTION CIRCUIT ADJUSTMENT

There are 6 modes of the adjustment.

- (1) 50Hz mode (①PANORAMIC ②FULL ③REGULAR ④14:9 ZOOM ⑤16:9 ZOOM ⑥16:9 ZOOM SUB TITLE)
- (2) 60Hz mode (each aspect mode) Depending upon the kind of signals (vertical frequency 50Hz / 60Hz).

 - The adjustment using the remote control unit is made on the basis of the initial setting values.

 When the 50Hz PANORAMIC mode has been established, the setting of other modes will be done automatically. Ho wever, if the picture quality has not been optimized, adjust each mode again, respectively.

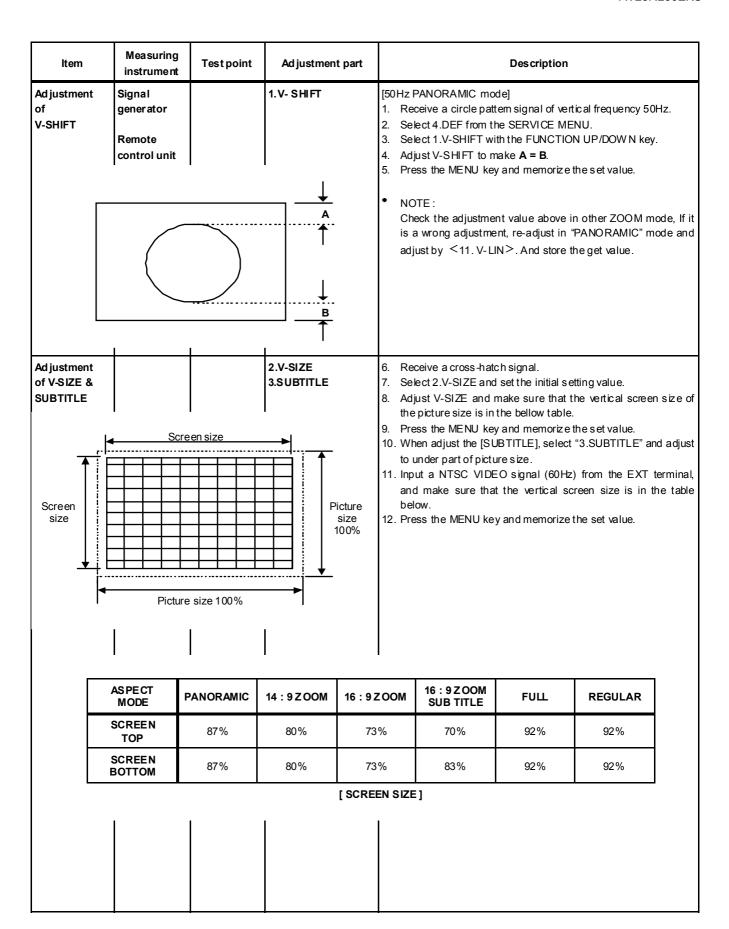
 The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

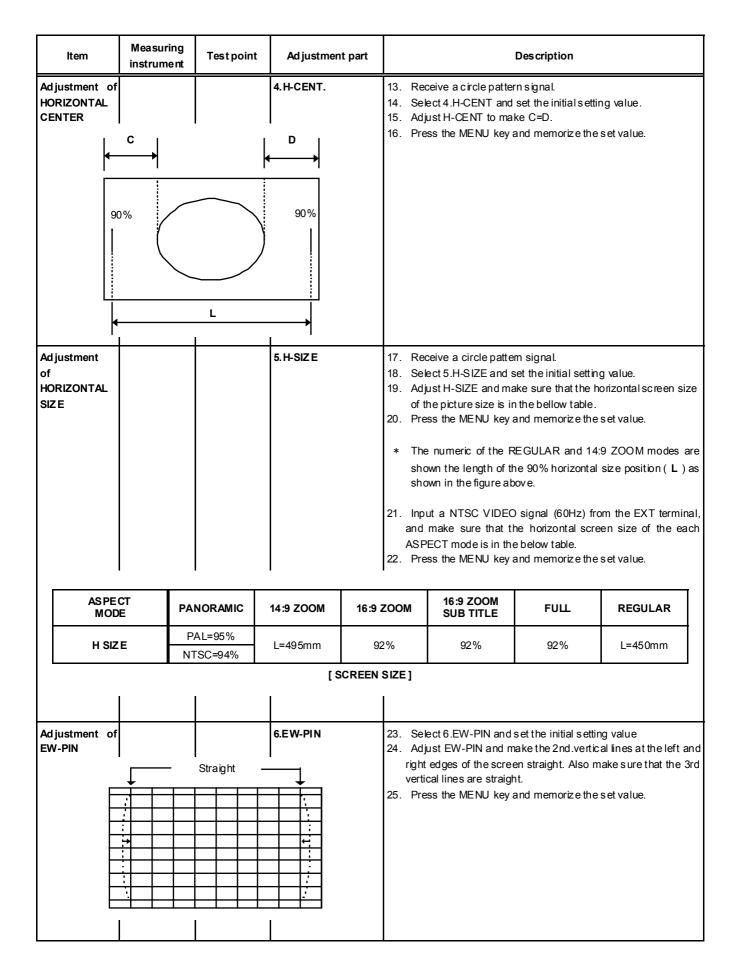
Initial setting value (1/2)

		Initial setting value								
Setting item	Ad justment nam e	PANO	RAMIC	14:9 ZOOM		16:9 ZOOM		16:9 ZOOM SUB TITLE		
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
1. V-SHIFT	Vertical center	+0	-1	+0	+0	+0	+0	+0	+0	
2. V-SIZE	Vertical height	+0	-2	+10	+9	+22	+22	+28	+28	
3. SUBTITLE	SUBTITLE BOTTOM Vertical linearity	-8	+0	+0	+0	+0	+0	+12	+12	
4. H-CENT	Horizontal center	-3	+5	+0	+0	+0	+0	+0	+0	
5. H-SIZE	Horizontal width	+0	-1	-5	-5	-7	-6	-7	-6	
6. EW-PIN	Side pin correction	-10	+0	+0	+0	+0	+0	+0	+0	
7. TRAPEZ	Trapezium distortion correction	+0	+0	+0	+0	+0	+0	+0	+0	
8. EW.COR.L	CORNER PIN correction Lowside	-1	+0	+0	+0	+0	+0	+0	+0	
9. EW.COR.H	CORNER PIN correction High side	-1	+0	+0	+0	+0	+0	+0	+0	
10.V.S-COR	Vertical height correction	+15	+0	-15	-15	-15	-15	-15	-15	
11.V-LIN	Vertical Linearity	+0	+0	+0	+0	+0	+0	+0	+0	
12.H-BLK-R	BLANKING POSITION of Right side	+0	+0	+22	+27	+0	+0	+0	+0	
13.H-BLK-L	BLANKING POSITION of Left side	+0	+0	+12	+9	+0	+0	+0	+0	
14.V-EHT (Do not adjust)	V size correction level caused by EHT change	-2	+0	+0	+0	+0	+0	+0	+0	
15.H-EHT (Do not adjust)	H size correction level caused by EHT change	-3	+0	+0	+0	+0	+0	+0	+0	
16.EHT-GAIN (Do not adjust)	Size correction gain caused by EHT change	+0	+0	+0	+0	+0	+0	+0	+0	

Initial setting value (2/2)

			Initial set	ting value)
Setting item	Ad justment nam e	FL	JLL	REGI	JLAR
		50 Hz	60 Hz	50 Hz	60 Hz
1. V-SHIFT	Vertical center	+0	+0	+0	+0
2. V-SIZE	Vertical height	-9	-9	-7	-7
3. SUBTITLE	SUBTITLE BOTTOM Vertical linearity	+0	+0	+0	+0
4. H-CENT	Horizontal center	+0	+0	+0	+0
5. H-SIZE	Horizontal width	-7	-6	-15	-15
6. EW-PIN	Side pin correction	+0	+0	+0	+0
7. TRAPEZ	Trapezium distortion correction	+0	+0	+0	+0
8. EW.COR.L	CORNER PIN correction Lowside	+0	+0	+0	+0
9. EW.COR.H	CORNER PIN correction High side	+0	+0	+0	+0
10.V.S-COR	Vertical height correction	-15	-15	-15	-15
11.V-LIN	VerticalLinearity	+0	+0	+0	+0
12.H-BLK-R	BLANKING POSITION of Right side	+0	+0	+22	+27
13.H-BLK-L	BLANKING POSITION of Left side	+0	+0	+12	+9
14.V-EHT (Do not adjust)	Vsize correction level caused by EHT change	+0	+0	+0	+0
15.H-EHT (Do not adjust)	Hsize correction level caused by EHT change	+0	+0	+0	+0
16.EHT-GAIN (Do not adjust)	Size correction gain caused by EHT change	+0	+0	+0	+0





ltem	Measuring instrument	Test point	Ad justment part	Description
Ad justment of TRAPEZIUM	Remote control unit	rallel	7. TRAPEZ	26. Receive a cross-hatch signal. 27. Select 7.TRAPEZ with the FUNCTION UP/DOWN key. 28. Set the initial setting value of TRAPEZIUM with the FUNCTION - or + key. 29. Adjust TRAPEZIUM and bring the VERTICAL lines at the right and left edges of the screen parallel. 30. Press the MENU key and memorize the set value.
Adjustment of SIDE PIN CORRECTION HIGH/LOW	Signal generator Remote control unit	Str	8.EW. COR. L 9.EW. COR. H	 Select 8.EW. COR. L with the FUNCTION UP / DOW N key. Set the initial setting value of EW. COR. L with the FUNCTION – or + key. Adjust EW. COR. L, and bring the straight line at the low corner. Select 9.EW. COR. H with the FUNCTION UP / DOWN key. Set the initial setting value of EW. COR. H with the FUNCTION – or + key. Adjust EW. COR. H, and bring the straight line at the upper corner. Press the MENU key and memorize the set value.
Ad justment of V.LINE ARITY & V-HEIGHT CORRECTION			10. V-S.CR 11. V-LIN TOP CENTER BOTTOM	 When the vertical linearity has been deteriorated remarkably, perform the following steps. 38. Receive a cross-hatch signal. 39. Select 11.V-LIN with the FUNCTION UP / DOWN key. 40. Set the initial setting value of 11.V-LIN with the FUNCTION - /+ key. 41. Select 10.V-S.COR with the FUNCTION UP / DOWN key. 42. Set the initial setting value of 10.V-S.COR with the FUNCTION - /+ key. 43. Adjust 11.V-LIN and 10.V-S.COR so that the spaces of each line on TOP, CENTER and BOTTOM become uniform. NOTE: In "PANORAMIC" & "16: 9 ZOOM SUBTITLE" mode, this adjustment should not be done. At first the adjustment in 50Hz-PANORAMIC mode should be done, then the data for the other zoom mode is corrected in the respective value at the same time. And confirm the deflection adjustment initial setting value in 60Hz PANORAMIC mode. If the adjustment in 50Hz each zoom mode has been done and stored, the data for the same aspect modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself.

H BLANKING ADJUSTMENT

Item	Measuring instrument	Test point	Ad justment part	Description
Adjustment of HORIZONTAL BL ANKING	H	H'	H.BLK Capacitor [On MAIN PWB]	 Receive the PAL circle pattern signal. Select 4.DEF from the SERVICE MENU. Select the aspect [14:9 ZOOM] mode. Select 12.H-BLK-R with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the right side is displayed. Select 13.H-BLK-L with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the left side is displayed. Press the MENU key and memorize the set value. Select the aspect [REGULAR] mode. Select 12.H-BLK-R with the FUNCTION UP/DOWN key and adjust H'.BLANKING so that 92% of the picture on the right side is displayed. Select 13.H-BLK-L with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the left side is displayed. Press the MENU key and memorize the set value.

AUDIO CIRCUIT ADJUSTMENT

• Do not touch 3.AUDIO (1.CONC LIMIT, 2.A2 ID THR, 3.ALC, 4.BASS, 5.TREBLE) of the SERVICE MENU as it requires no adjustment.

3. AUDIO

Setting item	Variable range	fixed value
1. ERROR LIMIT(Do not adjust)	00H ∼ FFH	10H
2. A2 ID THR(Do not adjust)	00H ∼ FFH	19H
3. BASS (Do not adjust)	-17 ~ +17	+0
4. TREBLE (Do not adjust)	-17 ~ +17	+0

JVC

SCHEMATIC DIAGRAMS

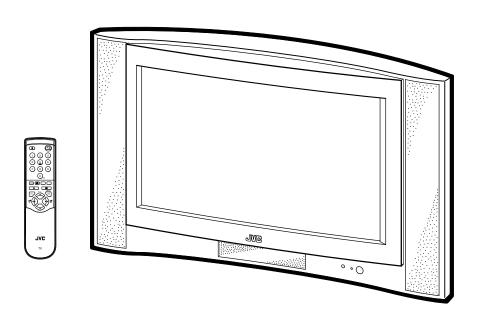
COLOUR TELEVISION

AV28R25EKS AV28R250EKS

CD-ROM No.SML200203

BASIC CHASSIS

J L



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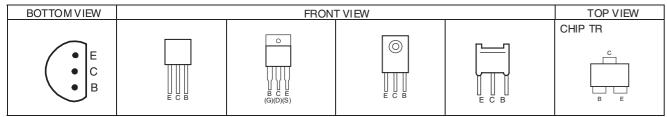
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■ SEMICONDUCTOR SHAPES ······	2-2
■ BLOCK DIAGRAM ·······	
■ CIRCUIT DIAGRAMS ·······	
■ PATTERN DIAGRAMS	
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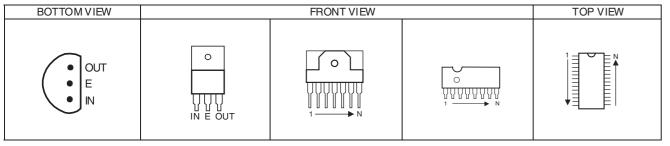
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SEMICONDUCTOR SHAPES

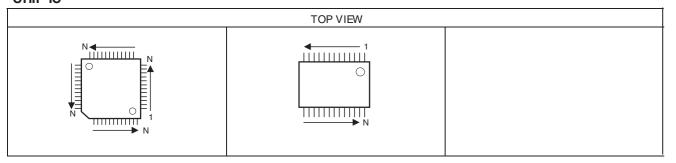
TRANSISTOR



IC



CHIP IC



AV28R25EKS / AV28R250EKS STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \(\triangle \) symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and

variable resistor : Original setting position

when shipped

(3)Internal resistance of tester :DC $20k\Omega/V$

(4)Oscilloscope sweeping time :H ⇒ 20μS/div

:V ⇒ 5mS/div

:Others \Rightarrow Sweeping time is specified

(5) Voltage values :All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

No unit :[Ω] K :[K Ω] M :[M Ω]

Rated allowable power

No indication :1/ 16 [W]
Others :As specified

Type

No indication :Carbon resistor

OMR :Oxide metal film resistor

MFR :Metal film resistor

MPR :Metal plate resistor

UNFR :Uninflammable resistor

FR :Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

1 or higher :[pF] less than 1 :[μF]

• Withstand voltage

No indication :D

Others :DC withstand voltage [V]
AC indicated :AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]:Capacitance value [μF]/withstand voltage[V]

Type No indication :Ceramic capacitor MM :Metalized mylar capacitor PΡ :Polypropylene capacitor MPP :Metalized polypropylene capacitor MF :Metalized film capacitor TF :Thin film capacitor ВP :Bipolar electrolytic capacitor TAN :Tantalum capacitor (3)Coils [H4]: No unit :As specified Others

*Respective voltage values are indicated

(5)Test point

(4)Power Supply



:Only test point display

(6)Connecting method



(7)Ground symbol

≟ :EARTH ground

∴ :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (\bot) side GND and the ISOLATED(NEUTRAL): (\biguplus) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2) Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

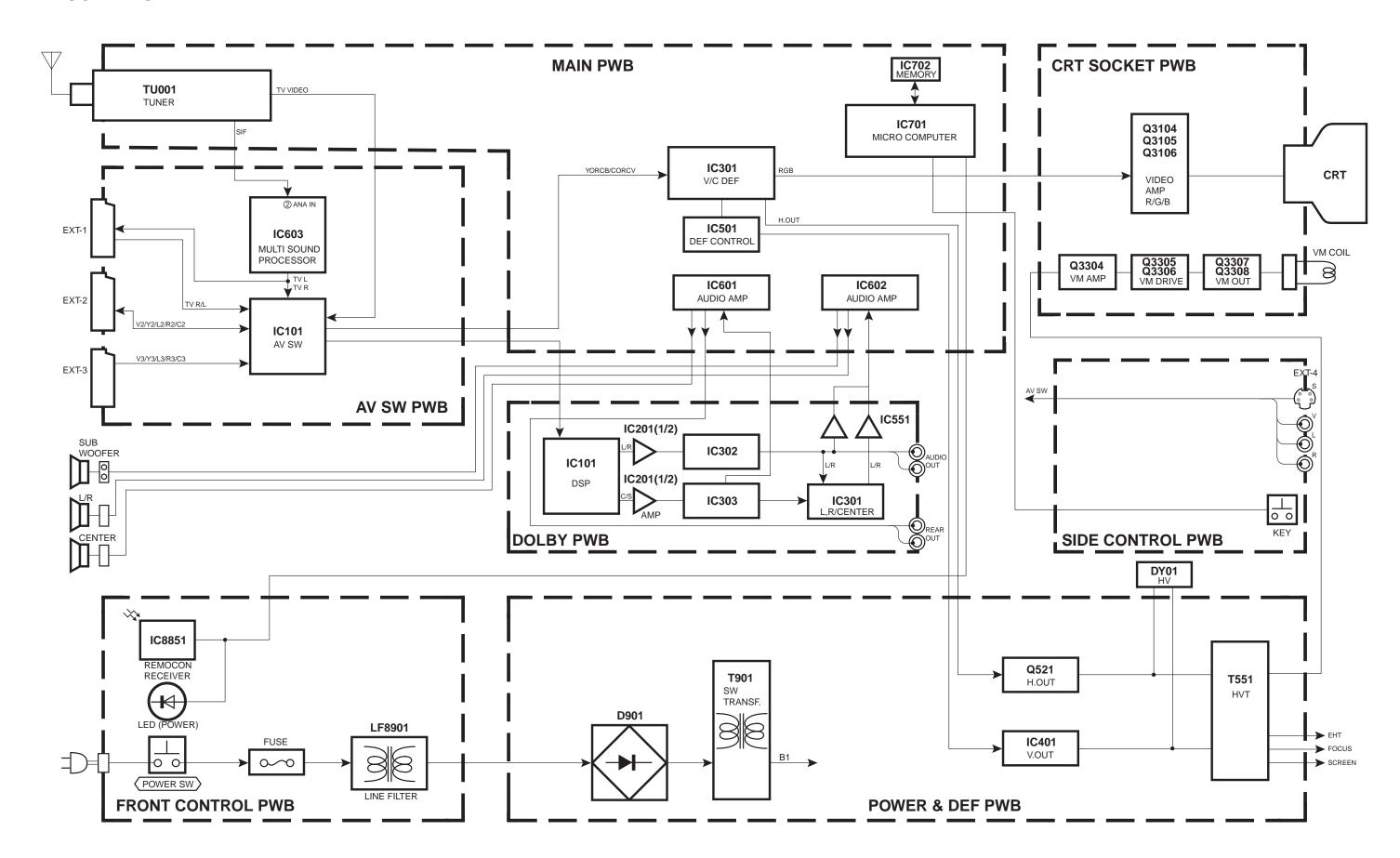
NOTE

Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

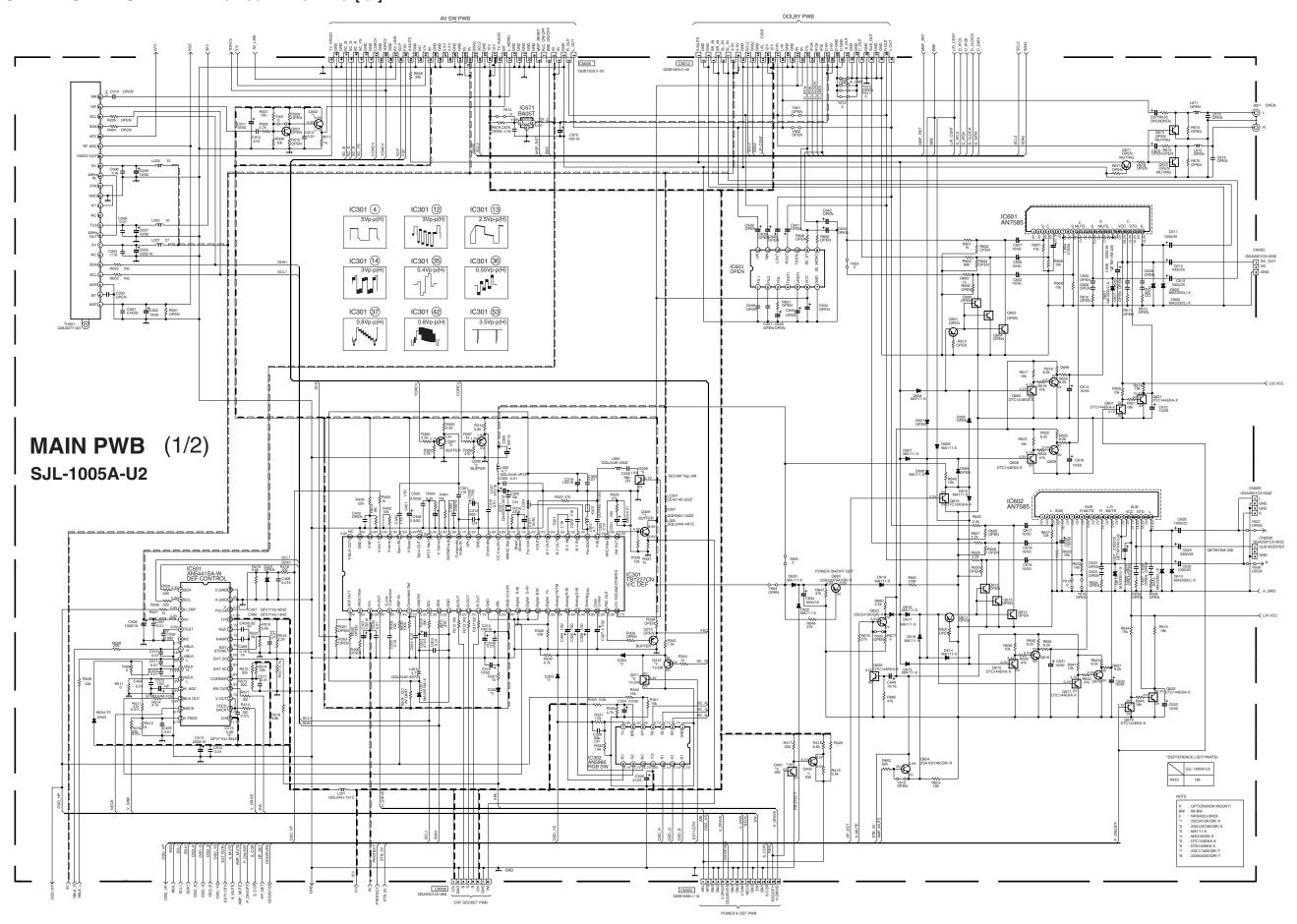
When ordering parts, please use the numbers that appear in the Parts List.

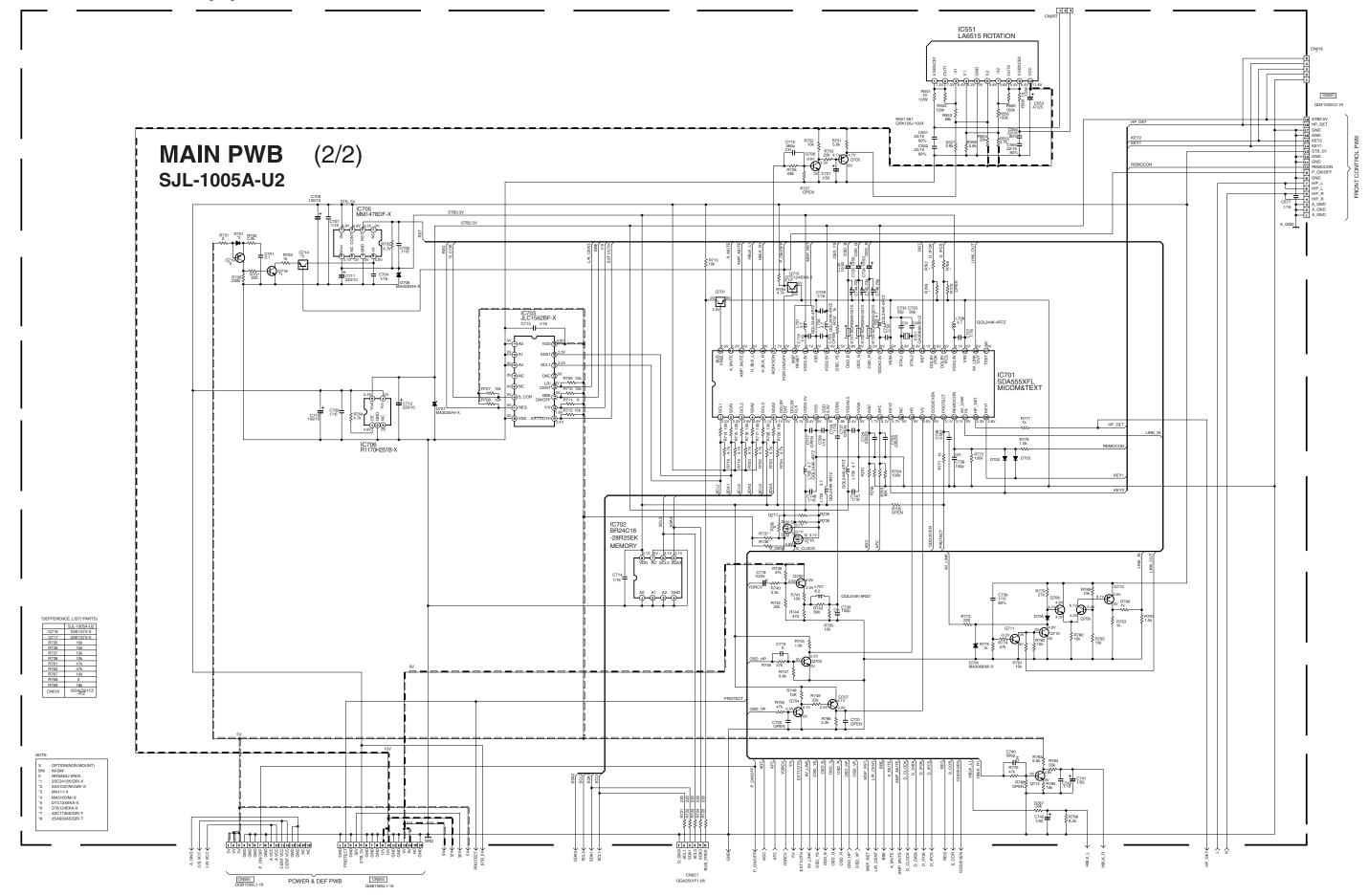
2-2 No.51941 Mar. 2002 No. 51941

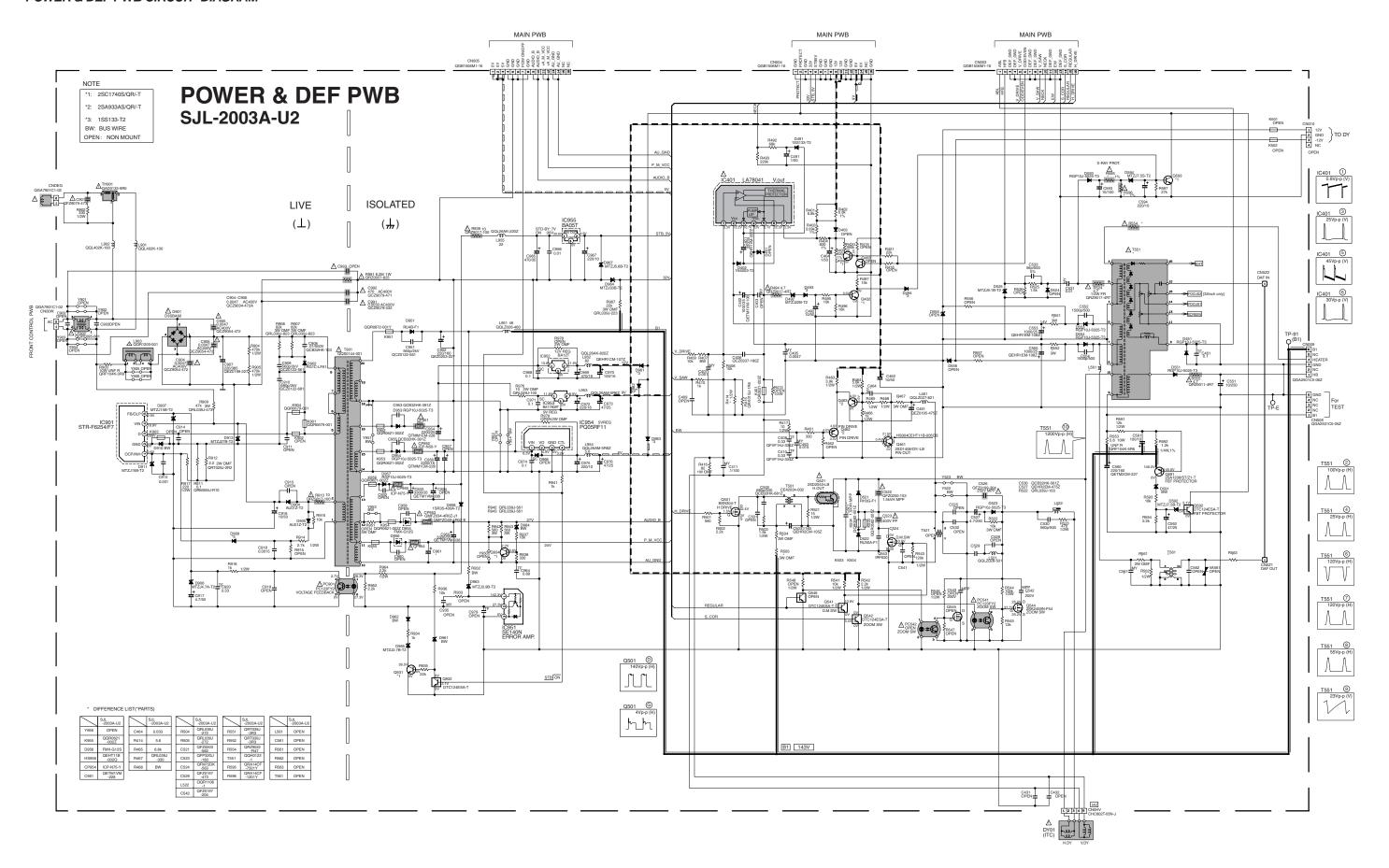
BLOCK DIAGRAM

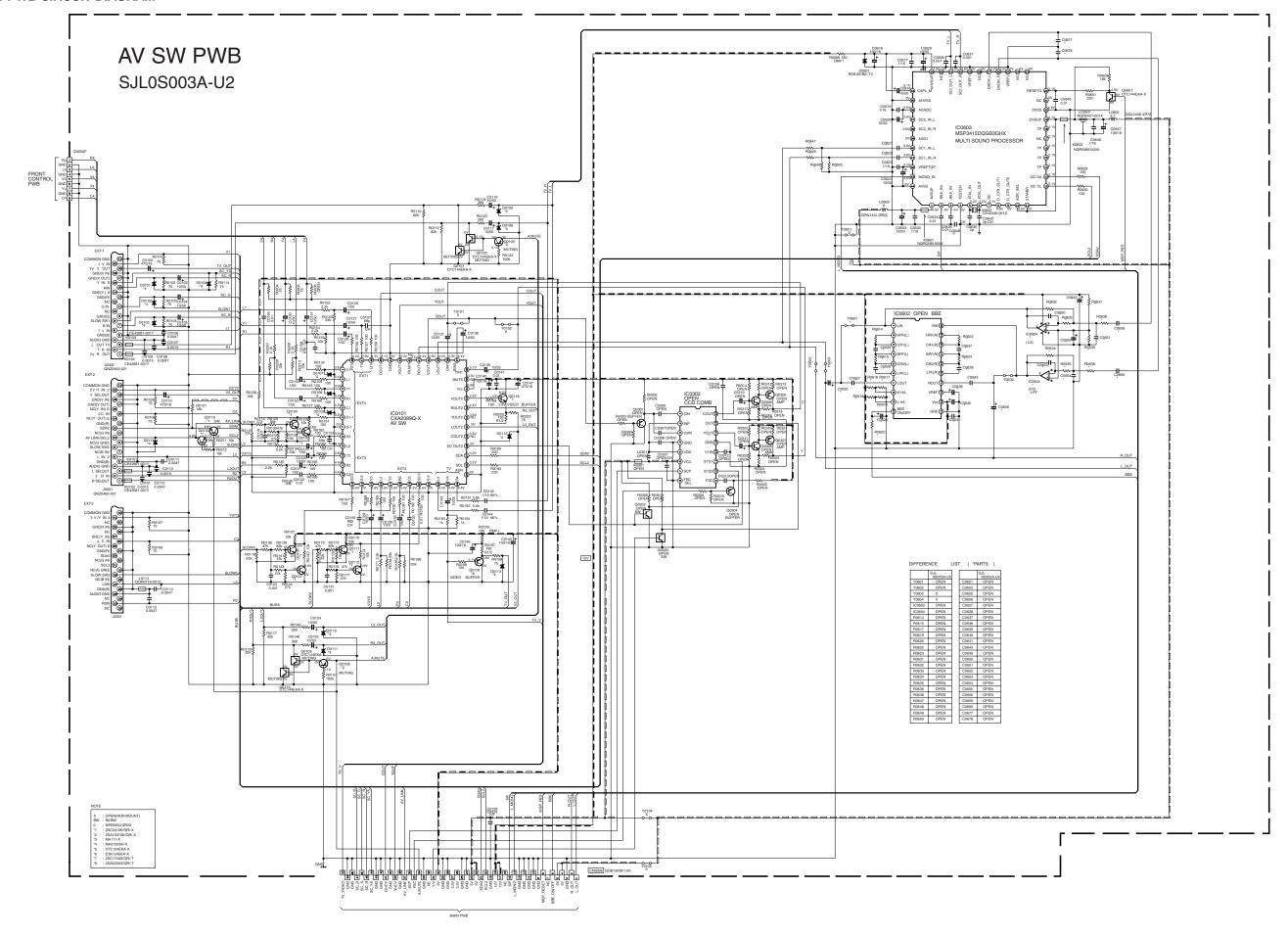


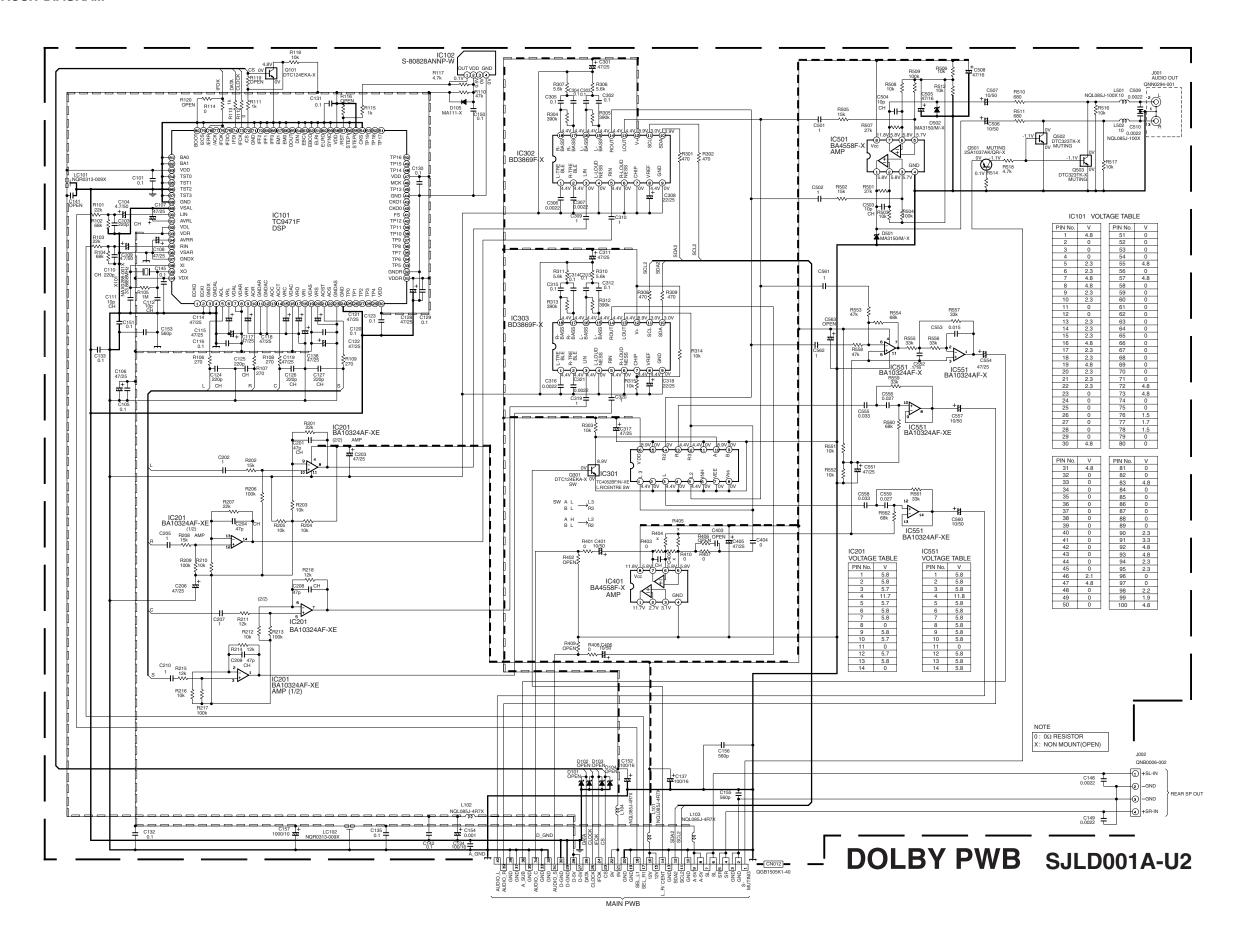
CIRCUIT DIAGRAMS MAIN PWB CIRCUIT DIAGRAMS [1/2]

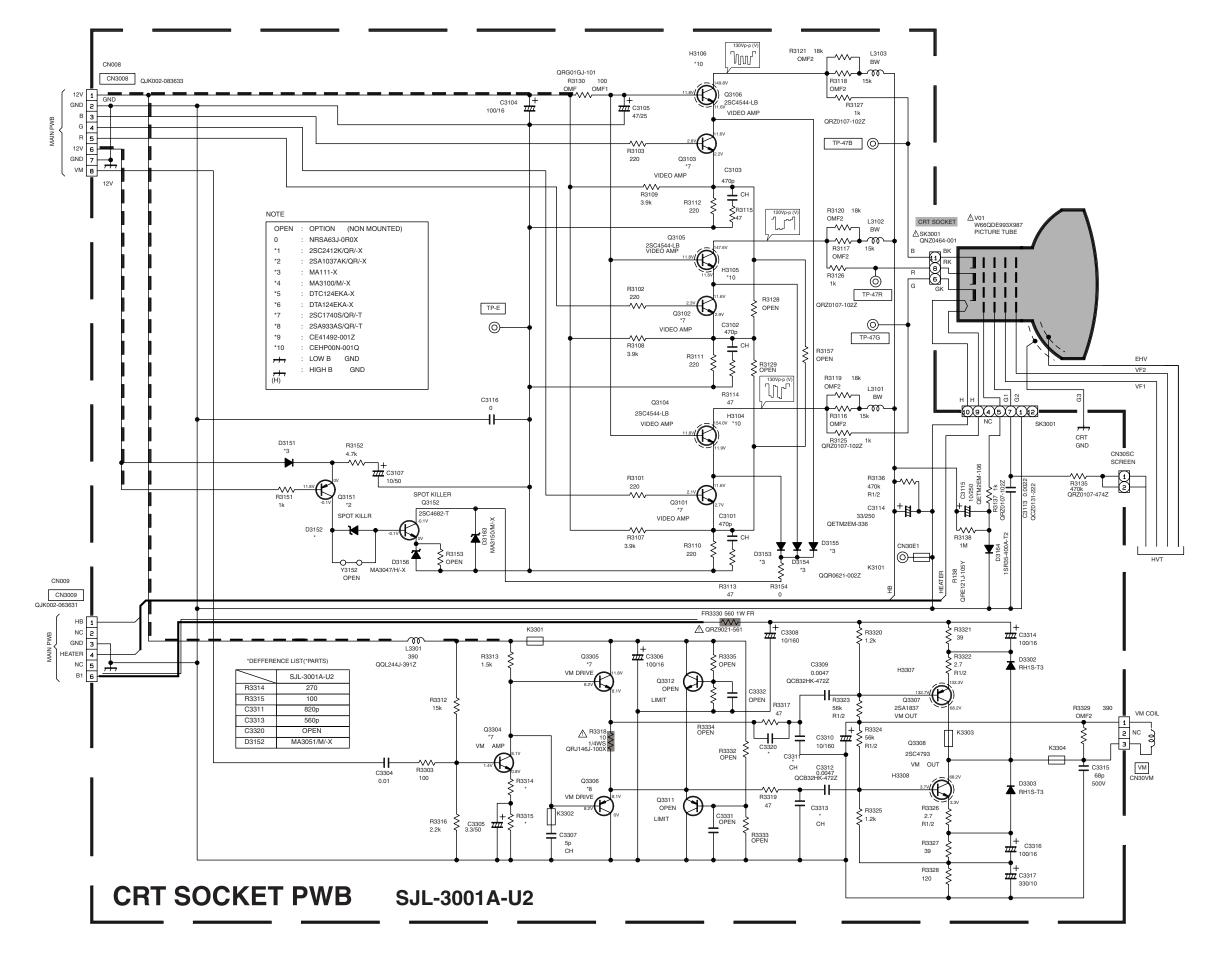


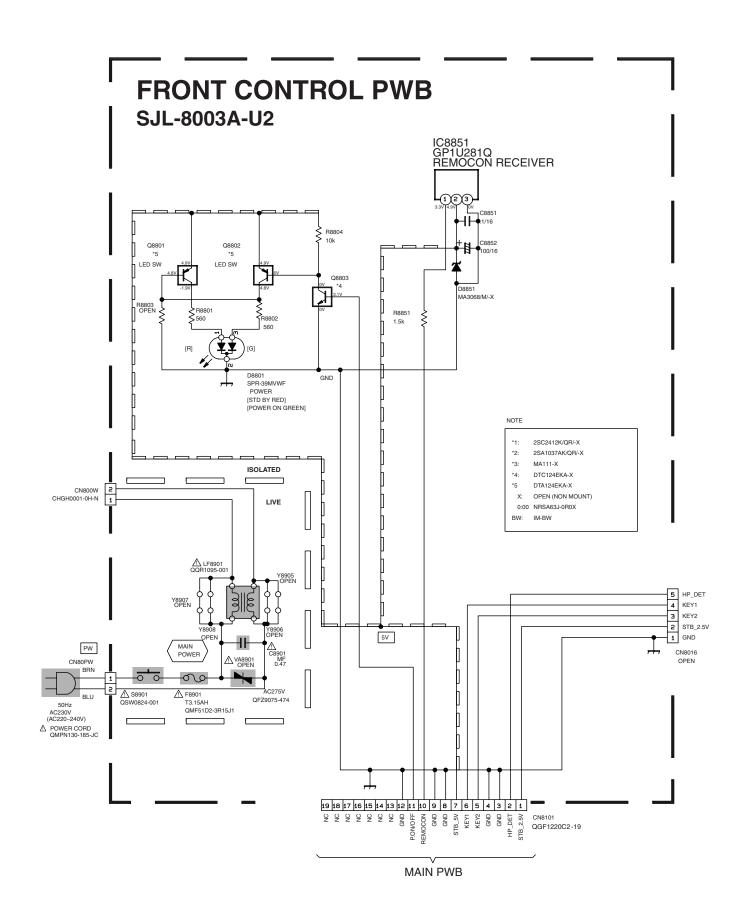




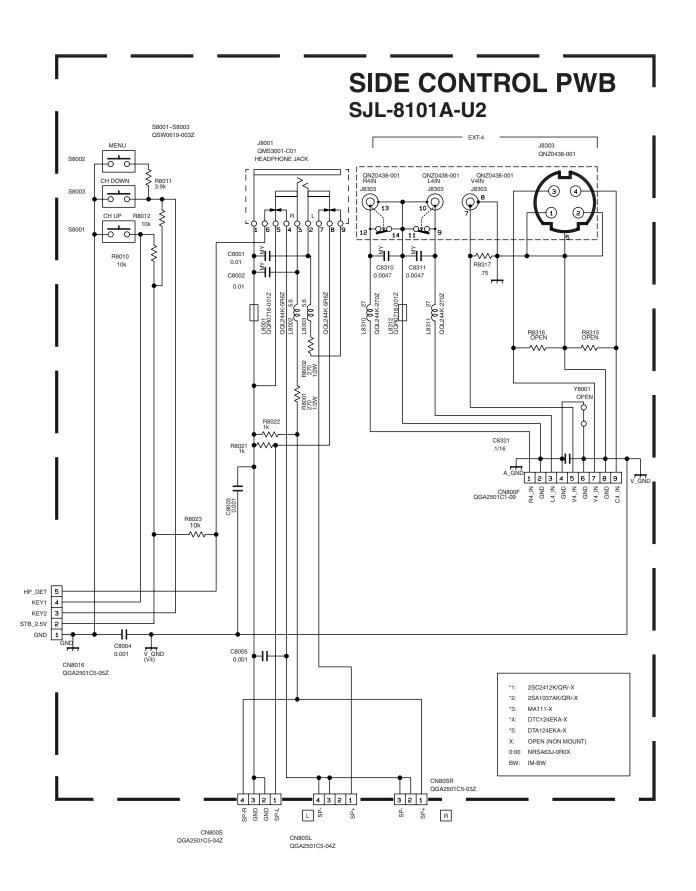


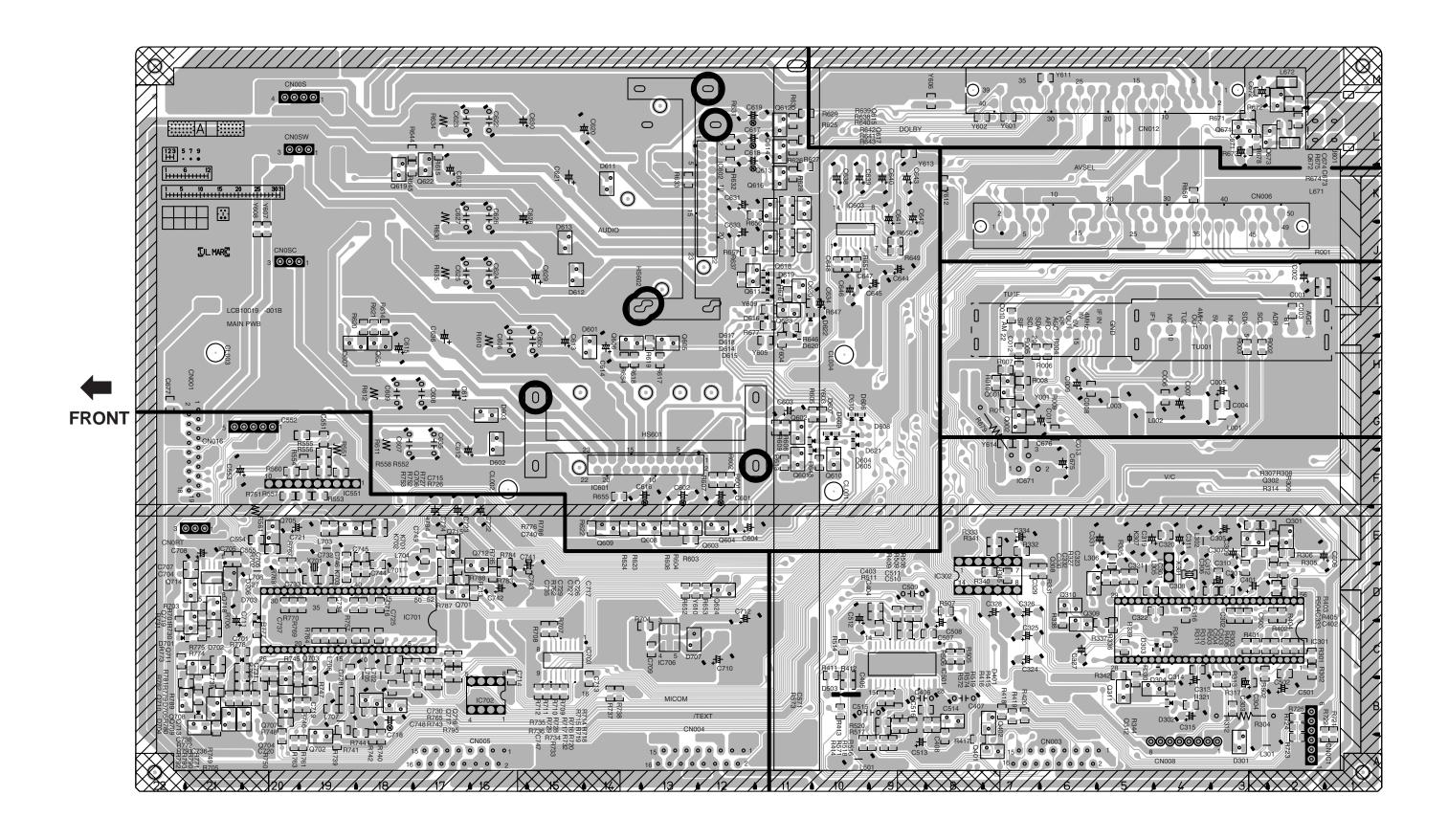






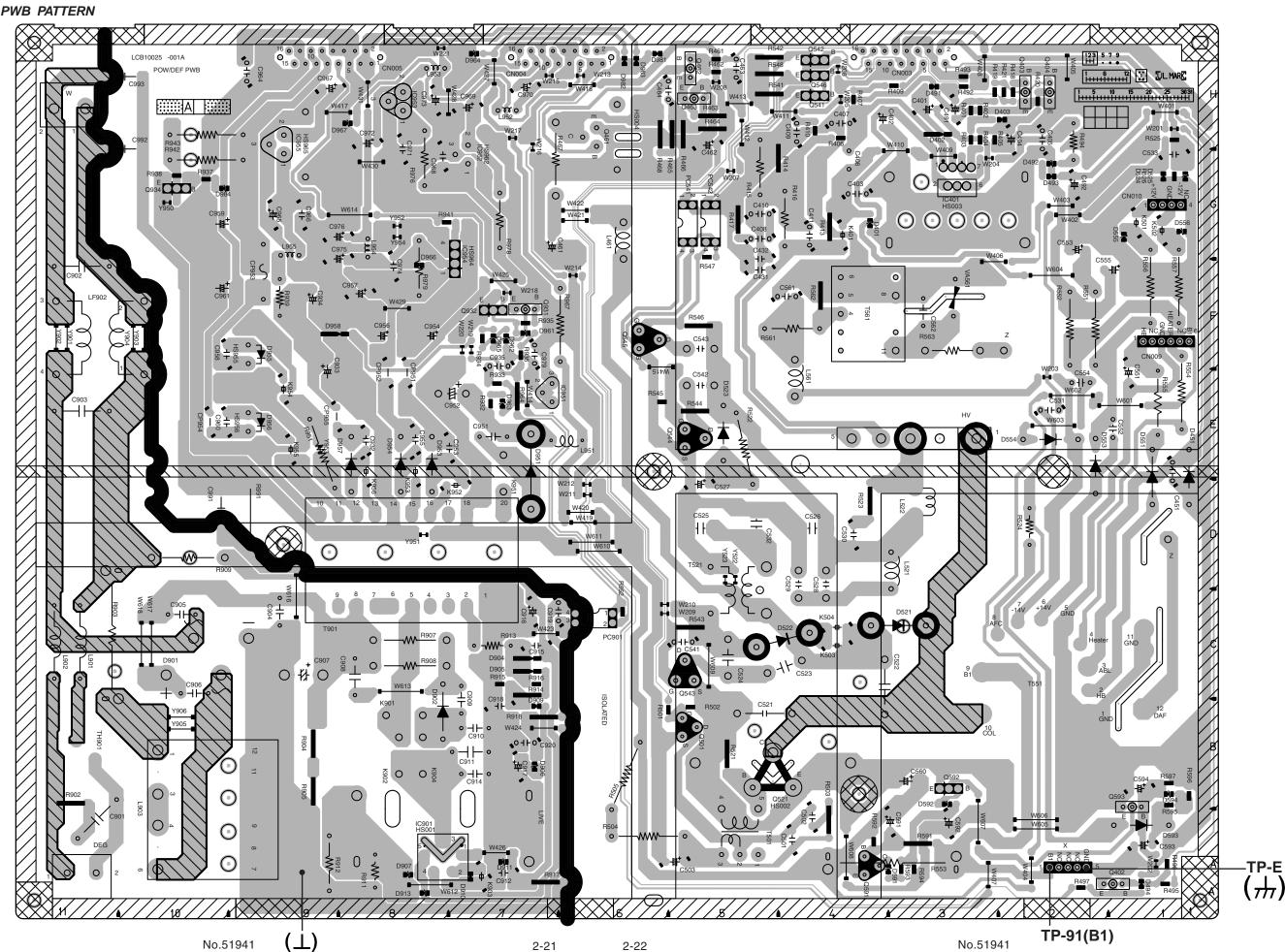
FRONT CONTROL PWB CIRCUIT DIAGRAM





POWER & DEF PWB PATTERN

FRONT



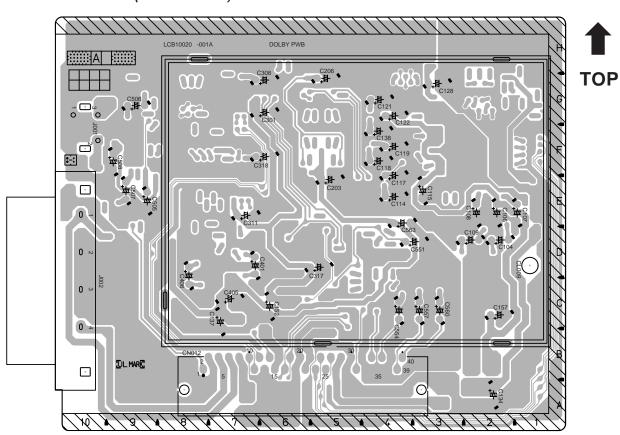
TOP 123 5.7 9 AV SW PWB

Ш

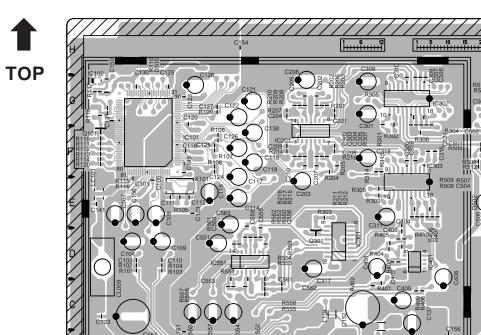
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I

DOLBY PWB PATTERN (SOLDER SIDE)



DOLBY PWB PATTERN (PARTS SIDE)

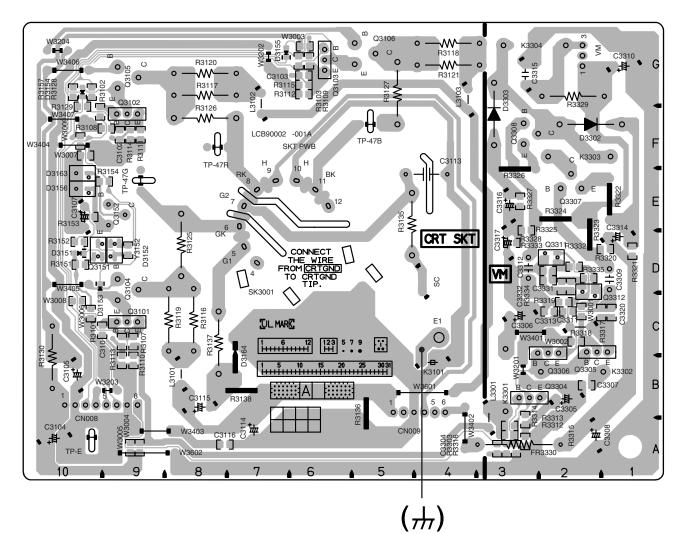


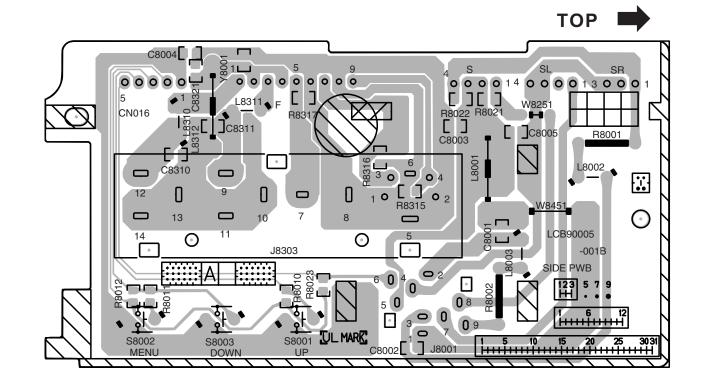
SJL-0D001A

CRT SOCKET PWB PATTERN

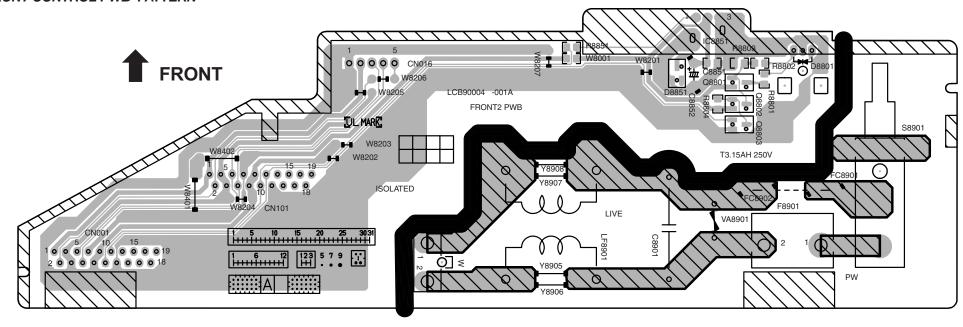
SIDE CONTROL PWB PATTERN





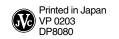


FRONT CONTROL PWB PATTERN





HOME AV NETWORK BUSINESS UNIT. 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama, Kanagawa-prefecture, 221-8528, Japan



PARTS LIST

CAUTION

- The parts identified by the △ symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS	CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	HV CAP.	High Voltage Capacitor
HVR	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CHVR	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP.R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

	TOLERANCES								
F	F G J K M N R H Z P							Р	
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

AV28R25EKS AV28R250EKS

■ USING PW BOARD & REMOTE CONTROL UNIT · · · · · · 3	0
■ EXPLODED VIEW PARTS LIST	
■ EXPLODED VIEW	
■ PRINTED WIRING BOARD PARTS LIST	
AV28R25EKS / AV28R250EKS	
● MAIN PW BOARD ASS'Y · · · · · 3	4
● POWER & DEF. PW BOARD ASS'Y	7
● CRT SOCKET PW BOARD ASS'Y · · · · · 3	9
● FRONT CONTROL PW BO ARD ASS'Y	
● SIDE CONTROL PW BOARD ASS'Y	0
● AV SW PW BOARD ASSY 4	
● DOLBY PW BOARD ASS'Y	2
■ REMOTE CONTROL UNIT PARTS LIST · · · · · · · · 4	4
■ PACKING 4	5
■ DACKING DADTE LIST	_

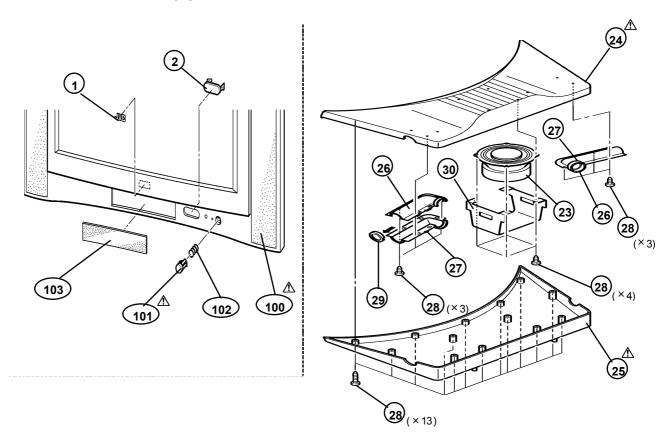
USING PW BOARD & REMOTE CONTROL UNIT

Model PWB ASS'Y	AV28R25EKS	AV28R250EKS
MAIN PWB	SJL-1005A-U2	—
POWER & DEF. PWB	SJL-2003A-U2	←
CRT SOCKET PWB	SJL-3001A-U2	←
FRONT CONTROL PWB	SJL-8003A-U2	←
SIDE CONTROL PWB	SJL-8101A-U2	←
AV SW PWB	SJL0S003A-U2	←
DOLBY PWB	SJL0D001A-U2	-
REMOTE CONTROL UNIT	RM-C60H-1C	-

EXPLODED VIEW PARTS LIST (1)

<u>∧</u> Ref.No.	Part No.	Part Name	Description			
AV28R25E	AV28R25EKS					
1 2 23 \triangle 24 \triangle 25 26 27 28	LC 412 50-002 B-C LC 318 51-001B-C QA S00 92-001 LC 113 08-001B-U LC 113 09-001B-U GG 200 07-002C-H GG 200 07-001C-H QY SBS AG4 016N	JVC MARK WINDOW SPEAKER SP BOX T SP BOX B BASS INT. DUCT L BASS INT. DUCT R TAP SCREW	SP04 (x 2) (x 2) (x 2) (x 23)			
29 30 100 101 102 103	LC31935-001A-C LC21100-002A-C LC11313-001A-U LC31201-003A-U AEM3149-001-E LC21031-001C-U	PORT SPACER MAG SHIELD FRONT.CABI ASSY POWER KNOB SPRING SPEAKER PANEL	(x 2) Inc. No. 101~103 (SERVICE)			
AV28R250	EKS					
1 2 23 ⚠ 24 ⚠ 25 26 27 28	LC 412 50-002B-C LC 318 51-001B-C QA S00 92-001 LC 113 08-001B-U LC 113 09-001B-U GG 200 07-002C-H GG 200 07-001C-H QY SBS AG4 016N	JVC MARK WINDOW SPEAKER SP BOX T SP BOX B BASS INT. DUCT L BASS INT. DUCT R TAP SCREW	SP04 (x 2) (x 2) (x 2) (x 23)			
29 30 <u></u> 100 <u></u> 101 102 103	LC31935-001A-C LC21100-002A-C LC11313-001A-U LC31201-003A-U AEM3149-001-E LC21031-001C-U	PORT SPACER MAG SHIELD FRONT CABI ASSY POWER KNOB SPRING SPEAKER PANEL	(x 2) Inc. No. 101~103 (SERVICE)			

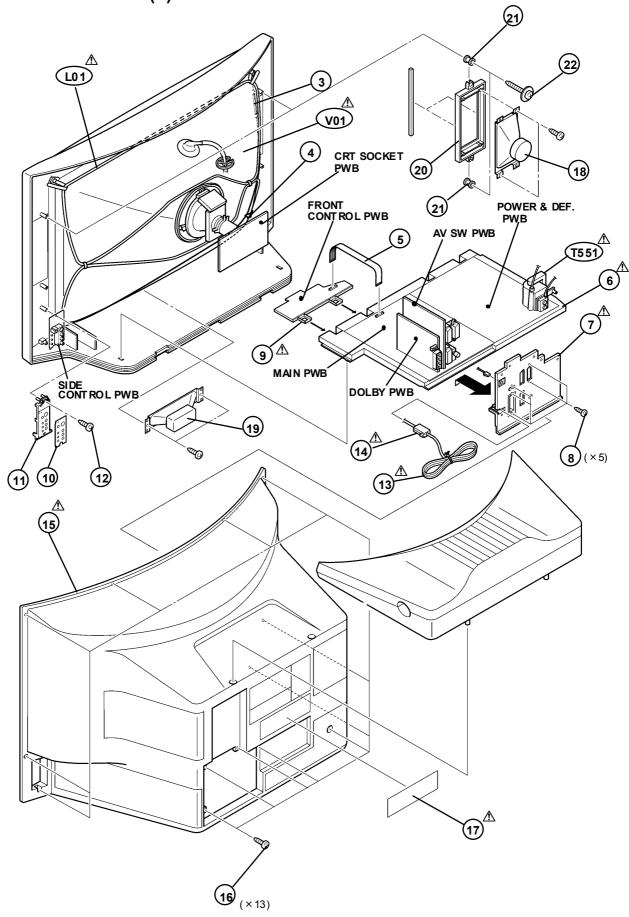
EXPLODED VIEW (1)



EXPLODED VIEW PARTS LIST (2)

⚠ Ref.No.	Part No.	Part Name	Description
AV28R25E	KS		
⚠ V01 ⚠ L01 ⚠ T551 3 4 5 ♠ 6	W6 6QD E99 3X98 7 QQ W01 37-001 QQ H01 22-001 WJ Y00 01-011A WJ Y00 13-002A CHFD1 19-12BD-N LC 107 16-002F-U	ITC DEG COIL FB TRANSF E-BRAIDED ASSY E-BRAIDED SUB ASSY FFC WIRE CHASSIS BASE	Inc. DY, PC MAGNET, WEDGE
 ▲ 7 8 ▲ 9 10 11 12 ▲ 13 ▲ 14 ▲ 15 	LC 113 36-001B-U QY SBS F30 12M LC 113 11-001B-U LC 312 05-001B LC 108 56-001C-U QY SBS AG4 016N QMPN1 30-185-JC CM 466 18-A01-E LC 112 82-001B-U	AV BOARD TAP SCREW CONTROL BASE CONTROL SHEET SIDE CONT BASE TAP SCREW POWER CORD POWER CORD REAR COVER	(x 5) CN-PW
16 ⚠ 17 18 19 20 21 22	QYSBS AG4 016N LC 113 64-001A-U QA S01 09-001 QA S01 10-001 LC 113 10-001A-U LC 402 26-003A-H LC 405 06-001A	TAP SCREW RATING LABEL SPEAKER SPEAKER SPEAKER SPEAKER ADAPTER SPACER TAP SCREW	(x13) SP01-02(x2) SP03 (x2) (x4) (x4)
AV28R250	EKS		
 ⚠ V01 ⚠ L01 ⚠ T551 3 4 5 ⚠ 6 ⚠ 7 	W6 6QD E99 3X98 7 QQ W01 37-001 QQ H01 22-001 WJ Y00 01-011A WJ Y00 13-002A CHFD1 19-12BD-N LC 107 16-002F-U LC 113 36-001B-U	ITC DEG COIL FB TRANSF E-BRAIDED ASSY E-BRAIDED SUB ASSY FFC WIRE CHASSIS BASE AV BOARD	Inc. DY, PC MAGNET, WEDGE
8 ① 9 10 11 12 ① 13 ① 14 ① 15	QYSBSF3012M LC11311-001B-U LC31205-001B LC10856-001C-U QYSBSAG4016N QMPN130-185-JC CM46618-A01-E LC11282-001B-U	TAP SCREW CONTROL BASE CONTROL SHEET SIDE CONT BASE TAP SCREW POWER CORD POWER CORD REAR COVER	(x 5) CN-PW
16 ↑ 17 18 19 20 21 22	QYSBS AG4 016N LC 113 64-011A-U QA S01 09-001 QA S01 10-001 LC 113 10-001A-U LC 402 26-003A-H LC 405 06-001A	TAP SCREW RATING LABEL SPEAKER SPEAKER SPEAKER SPEAKER SPEAKER ADAPTER SPACER TAP SCREW	(x13) SP01-02(x2) SP03 (x2) (x4) (x4)

EXPLODED VIEW (2)



AV28R25EKS / AV28R250EKS

PRINTED WIRING BOARD PARTS LIST

■MAIN P.W	. BOARD	ASS'Y	(SJL-1005A-U2)
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▲ Symbol No.		Part Name	Description
RES	ISTOR		
R002 R003	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16W J 100Ω 1/16W J
R006	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R007	NRSA63J-103X	MG R	10kΩ 1/16W J
R008	NRSA63J-103X	MG R	10kΩ 1/16W J
R011	NRSA63J-102X	MG R	1κΩ 1/16W J
R304	0RG01GJ-121	OM R	120Ω 1W J
R305	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R306	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R307	NRSA63J-102X	MG R	1kΩ 1/16W J
R308	NRSA63J-471X	MG R	470Ω 1/16W J
R309	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R310	NRSA63J-391X	MG R	390Ω 1/16W J
R311	NRSA63J-391X	MG R	390Ω 1/16W J
R312	NRSA63J-101X	MG R	100Ω 1/16W J
R313	NRSA63J-101X	MG R	100Ω 1/16W J
R314	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R316	NRSA63J-224X	MG R	220kΩ 1/16W J
R317	NRSA63J-101X	MG R	100Ω 1/16W J
R321	NRSA63J-102X	MG R	1kΩ 1/16W J
R327	NRSA63J-471X	MG R	470Ω 1/16W J
R330	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R331	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R332	NRSA63J-332X	MG R	3.3kΩ 1/16W J
R333	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R335	NRSA63J-273X NRSA63J-103X	MG R MG R	27kΩ 1/16W J 10kΩ 1/16W J
R336 R337	NRSA63J-102X	MG R	1κΩ 1/16W J
R340	NRSA63J-102X	MG R	10kΩ 1/16W J
R341	NRSA63J-103X	MG R	10kΩ 1/16W J
R342	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R344	NRSA63J-102X	MG R	1kΩ 1/16W J
R345	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R346	NRSA63J-333X	MG R	33kΩ 1/16W J
R401	NRSA63J-103X	MG R	10kΩ 1/16W J
R402	NRSA63J-103X	MG R	10kΩ 1/16W J
R403	NRSA63J-102X	MG R	1kΩ 1/16W J
R404	NRSA63J-183X	MG R	18kΩ 1/16W J
R405	NRSA63J-223X	MG R	22kΩ 1/16W J
R409	NRSA63J-OROX	MG R	0.0Ω 1/16W J
R411	NRSA63D-473X	MG R	47kΩ 1/16W D
R413	NRSA63D-223X	MG R	22kΩ 1/16W D
R414 R415	NRSA63D-101X	MG R MG R	100Ω 1/16W D 5.6kΩ 1/16W J
R415	NRSA63J-562X NRSA63J-101X	MG R	5.6kΩ 1/16W J 100Ω 1/16W J
R417	NRSA63J-223X	MG R	22kΩ 1/16W J
R418	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R419	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R420	NRSA63J-183X	MG R	18kΩ 1/16W J
R502	NRSA63J-103X	MG R	10kΩ 1/16W J
R503	NRSA63J-104X	MG R	100kΩ 1/16W J
R504	NRSA63J-822X	MG R	8.2kΩ 1/16W J
R505	NRSA63J-221X	MG R	220Ω 1/16W J
R506	NRSA63J-221X	MG R	220Ω 1/16W J 1kΩ 1/16W J
R507	NRSA63J-102X	MG R	
R508	NRSA63J-223X	MG R	22kΩ 1/16W J
R509	NRSA63J-223X	MG R	22kΩ 1/16W J
R511	NRSA63J-OROX	MG R	0.0Ω 1/16W J
R514	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R516 R517	NRSA63J-222X NRSA63J-472X	MG R MG R	2.2kΩ 1/16W J 4.7kΩ 1/16W J
R517	NRSA63J-682X	MG R	4.7kΩ 1716W J 6.8kΩ 1/16W J
R519	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R520	NRSA63J-152X	MG R	1.5kΩ 1/16W J
R551	QRK126J-100X	C R	10Ω 1/2W J
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Δ	Symbol No.	Part No.	Part Name	Description
	RESI	STOR		
	R552	NRSA63J-124X	MG R	120kΩ 1/16W J
	R553	NRSA63J-683X	MG R	68kΩ 1/16W J
	R554	NRSA63J-333X	MG R	33kΩ 1/16W J
	R555	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R556	NRSA63J-154X	MG R	150kΩ 1/16W J
	R557 R558	NRSA63J-562X NRSA63J-562X	MG R MG R	5.6kΩ 1/16W J 5.6kΩ 1/16W J
	R560	NRSA63J-104X	MG R	100kΩ 1/16W J
	R561	ORE 121 J - 100 Y	C R	100 Ω 1/2W J
		NRSA63J-101X	MG R	10Ω 1/16W J
	R571 R572	NRSA63J - 223X	MĞ R	22kΩ 1/16W J
	R573	NRSA63J-821X	MG R	820Ω 1/16W J
	R574	NRSA63J-333X	MG R	33kΩ 1/16W J
	R601	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R603	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R605	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R607	NRSA63J-103X	MG R	10kΩ 1/16W J
	R608	NRSA63J-103X	MG R	10kΩ 1/16W J
	R609 R613	NRSA63J-103X NRSA63J-104X	MG R MG R	10kΩ 1/16W J 100kΩ 1/16W J
	R617	NRSA63J-104X	MG R	10kΩ 1/16W J
	R618	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R619	NRSA63J-473X	MG R	47kΩ 1/16W J
	R620	NRSA63J-153X	MG R	15kΩ 1/16W J
	R621	NRS <i>A</i> 63J-222X	MG R	2.2kΩ 1/16W J
	R622	NRS <i>A</i> 63J-822X	MG R	8.2kΩ 1/16W J
	R623	NRSA63J-103X	MG R	10kΩ 1/16W J
	R624	NRSA63J-473X	MG R	47kΩ 1/16W J
	R625	NRSA63J-682X	MG R MG R	6.8kΩ 1/16W J
	R626 R627	NRSA63J-104X NRSA63J-272X	MG R	100kΩ 1/16W J 2.7kΩ 1/16W J
	R628	NRSA63J-104X	MG R	100kΩ 1/16W J
	R629	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R630	NRSA63J-104X	MG R	100kΩ 1/16W J
	R631	NRSA63J-103X	MG R	10kΩ 1/16W J
	R632	NRSA63J-103X	MG R	10kΩ 1/16W J
	R633	NRSA63J-103X	MG R	10kΩ 1/16W J
	R637	NRSA63 J - 104X	MG R	100kΩ 1/16W J
	R638 R639	NRSA63J-103X	MG R MG R	10kΩ 1/16W J 47kΩ 1/16W J
	R640	NRSA63J-473X NRSA63J-822X	MG R	47kΩ 1/16W J 8.2kΩ 1/16W J
	R641	NRSA63J-103X	MG R	10kΩ 1/16W J
	R642	NRSA63J-473X	MG R	47kΩ 1/16W J
	R643	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R644	NRSA63J-153X	MG R	15kΩ 1/16W J
	R645	NRS <i>A</i> 63J-222X	MG R	2.2kΩ 1/16W J
	R646	NRSA63J-273X	MG R	27kΩ 1/16W J
	R647	NRSA63J-473X	MG R	47kΩ 1/16W J
	R648	NRSA63J-103X	MG R	10kΩ 1/16W J
	R702	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R704 R705	NRSA63J-472X NRSA63J-103X	MG R MG R	4.7kΩ 1/16W J 10kΩ 1/16W J
	R707	NRSA63J-103X	MG R	10kΩ 1/16W J
	R708	NRSA63J-103X	MG R	10kΩ 1/16W J
	R709	NRSA63J-103X	MG R	10kΩ 1/16W J
	R710	NRSA63J-103X	MG R	10kΩ 1/16W J
	R712	NRSA63J-103X	MG R	10kΩ 1/16W J
	R713	NRSA63J-103X	MG R	10kΩ 1/16W J
	R714	NRSA63J-101X	MG R	100Ω 1/16W J
	R715	NRSA63J-101X	MG R	100Ω 1/16W J
	R716	NRSA63J-101X	MG R	10Ω 1/16W J
	R717	NRSA63J-101X	MG R	100Ω 1/16W J
	R718 R719	NRSA63J-472X NRSA63J-472X	MG R MG R	4.7kΩ 1/16W J 4.7kΩ 1/16W J
	R720	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	11, 20	INDINUT TIEN	110 11	1.7122 1/1011 3

⚠	Symbol No.	Part No.	Part Name	Description
	RESI	STOR		
	R721	NRSA63J-221X	MG R	220Ω 1/16W J
	R722	NRSA63J-221X	MG R	220Ω 1/16W J
	R723	NRSA63J-221X NRSA63J-221X	MG R	220Ω 1/16W J
	R724 R725	NRSA63J-221X NRSA63J-221X	MG R MG R	220Ω 1/16W J 220Ω 1/16W J
	R726	NRSA63J-683X	MG R	68kΩ 1/16W J
	R728	NRSA63J-101X	MG R	100Ω 1/16W J
	R729 R730	NRSA63J-101X NRSA63J-183X	MG R MG R	100Ω 1/16W J 18kΩ 1/16W J
	R731	NRSA63J-183X	MG R	18kΩ 1/16W J
	R732	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R733 R734	NRSA63J-472X NRSA63J-472X	MG R MG R	4.7kΩ 1/16W J 4.7kΩ 1/16W J
	R735	NRSA63J-223X	MG R	22kΩ 1/16W J
	R736	NRSA63J-223X	MG R	22kΩ 1/16W J
	R737 R738	NRSA63J-103X NRSA63J-103X	MG R MG R	10kΩ 1/16W J 10kΩ 1/16W J
	R739	NRSA63J-473X	MG R	47kΩ 1/16W J
	R740	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R741 R742	NRSA63J-101X NRSA63J-223X	MG R MG R	100Ω 1/16W J 22kΩ 1/16W J
	R742 R743	NRSA63J-223X NRSA63J-391X	MG R	22KΩ 1/16W J 390Ω 1/16W J
	R744	NRSA63J-471X	MG R	470Ω 1/16W J
	R745 R746	NRSA63J-182X NRSA63J-473X	MG R MG R	1.8kΩ 1/16W J 47kΩ 1/16W J
	R747	NRSA63J-682X	MG R	47KΩ 1716W J 6.8kΩ 1/16W J
	R748	NRSA63J-153X	MG R	15kΩ 1/16W J
	R749	NRSA63J-223X	MG R	22kΩ 1/16W J 47kΩ 1/16W J
	R750 R751	NRSA63J-473X NRSA63J-562X	MG R MG R	47kΩ 1/16W J 5.6kΩ 1/16W J
	R752	NRSA63J-103X	MG R	10kΩ 1/16W J
	R753	NRSA63J-223X	MG R	22kΩ 1/16W J
	R757 R758	NRSA63J-102X NRSA63J-0R0X	MG R MG R	1kΩ 1/16W J 0.0Ω 1/16W J
	R759	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R760	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R761 R762	NRSA63J-473X NRSA63J-473X	MG R MG R	47kΩ 1/16W J 47kΩ 1/16W J
	R763	NRSA63J-823X	MG R	82kΩ 1/16W J
	R764	NRSA63J-104X	MG R	100kΩ 1/16W J
	R765 R766	NRSA63J-103X NRSA63J-222X	MG R MG R	10kΩ 1/16W J 2.2kΩ 1/16W J
	R767	NRSA63J-103X	MG R	10kΩ 1/16W J
	R768	NRSA63J-OROX	MG R	0.0Ω 1/16W J
	R769	NRSA63J-183X	MG R	18kΩ 1/16W J
	R771 R772	NRSA63J-102X NRSA63J-104X	MG R MG R	1kΩ 1/16W J 100kΩ 1/16W J
	R773	NRSA63J-221X	MG R	220Ω 1/16W J
	R774	NRSA63J-473X	MG R	47kΩ 1/16W J
	R775 R776	NRSA63J-102X NRSA63J-473X	MG R MG R	1kΩ 1/16W J 47kΩ 1/16W J
	R777	NRSA63 J - 102 X	MG R	1kO 1/16W
	R778	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R779 R780	NRSA63J-273X NRSA63J-103X	MG R MG R	27kΩ 1/16W J 10kΩ 1/16W J
	R781	NRSA63J-103X	MG R	10kΩ 1/16W J 10kΩ 1/16W J
	R782	NRSA63J-103X	MG R	10kΩ 1/16W J
	R783	NRSA63J-103X	MG R	10kΩ 1/16W J 33kΩ 1/16W J
	R784 R785	NRSA63J-333X NRSA63J-184X	MG R MG R	33kΩ 1/16W J 180kΩ1/16W J
	R787	NRSA63J-333X	MG R	33kΩ 1/16W J
	R788	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R789 R790	NRSA63J-103X NRSA63J-102X	MG R MG R	10kΩ 1/16W J 1kΩ 1/16W J
	R791	NRSA63J-152X	MG R	1kΩ 1/16W J 1.5kΩ 1/16W J
	R792	NRSA63J-103X	MG R	10kΩ 1/16W J
_	R793	NRSA63J-102X	MG R	1kΩ 1/16W J
	CAPA (001	NCB31HK-222X	C CAP.	2200pF 50V K
	C001 C002	QETN1HM-106Z	E CAP.	10μF 50V M

Δ	Symbol No.	Part No.	Part Name	Description
	CAPA	CITOR		
	C004	NCB31CK-104X	C CAP.	0.1μF 16V K
	C005 C006	QETN1CM-108Z NCB31HK-103X	E CAP. C CAP.	1000μF 16V M 0.01μF 50V K
	C007	QETN1HM-106Z	E CAP. C CAP.	10μF 50V M
	C008 C009	NCB31CK-104X QETN1HM-106Z	E CAP.	0.1μF 16V K 10μF 50V M
	C011	QETN1HM-106Z	E CAP.	10μ 50V M
	C012 C013	NCB31HK-103X NCB31HK-103X	C CAP. C CAP.	0.01μF 50V K 0.01μF 50V K
	C301	NCB31CK-104X	C CAP.	0.1μF 16V K
	C302 C304	NCB31CK-683X NCB31HK-103X	C CAP. C CAP.	0.68 _L F 16V K 0.01 _L F 50V K
	C305	QETN1CM-107Z	E CAP.	100μF 16V M
	C303 C306	QETNLEM-476Z NCB31HK-103X	E CAP. C CAP.	47μF 25V M 0.01μF 50V K
	C307	QETN1CM-477Z	E CAP.	470μF 16V M
	C308 C309	NDC31HJ-120X QETN1HM-475Z	C CAP. E CAP.	12pF 50V J 4.7μF 50V M
	C310 C311	NCB31HK-103X	C CAP. E CAP.	0.01μF 50V K 10μF 50V M
	C312	QETN1HM-106Z NDC31HJ-680X	C CAP.	68pF 50V J
	C313 C314	QETN1CM-107Z NCB31HK-103X	E CAP. C CAP.	100μF 16V M 0.01μF 50V K
	C315	QETN1HM-106Z	E CAP.	10μF 50V M
	C319 C320	QETN1CM-107Z NCB31HK-103X	E CAP. C CAP.	100μF 16V M 0.01μF 50V K
	C321	NCB31CK-104X	C CAP.	0.1μF 16V K
	C322 C323	NCB31CK-104X NCB31CK-104X	C CAP. C CAP.	0.1μF 16V K 0.1μF 16V K
	C324	QETN1HM-105Z	E CAP.	1.0μF 50V M
	C325 C326	QETN1HM-105Z QETN1HM-105Z	E CAP. E CAP.	1.0μF 50V M 1.0μF 50V M
	C327 C328	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C328 C329	QETNLEM-476Z NDC31HJ-390X	E CAP. C CAP.	47μF 25V M 39pF 50V J
	C329 C330	NDC31HJ-390X	C CAP. C CAP.	39pF 50V J
	C331 C332	QETN1HM-105Z NCB31HK-103X	E CAP. C CAP.	1.0μF 50V M 0.01μF 50V K
	C333 C334	NCB21EK-104X QETN1HM-106Z	C CAP. E CAP.	0.1μF 25V K 10μF 50V M
	C401	QETN1HM-105Z	E CAP.	1.0μF 50V M
	C403 C404	NCB31HK-103X NCB31HK-103X	C CAP. C CAP.	0.01μF 50V K 0.01μF 50V K
	C405	NCB31HK-103X	C CAP.	0.01μF 50V K
	C406 C407	QFVF1HJ-184Z QFVF1HJ-824Z	MF CAP. MF CAP.	0.18μF 50V J 0.82μF 50V J
	C408	NCB31HK-153X	C CAP.	0.015 µF 50V K
	C501 C502	QETN1CM-107Z NCB31HK-103X	E CAP. C CAP.	100μF 16V M 0.01μF 50V K
	C503 C504	NCB31HK-103X	C CAP. C CAP.	0.01μF 50V K
	C504 C505	NCB31HK-103X NCB31HK-332X	C CAP.	0.01μF 50V K 3300pF 50V K
	C506 C507	QETN1HM-335Z NCB31HK-103X	E CAP. C CAP.	3.3μF 50V M 0.01μF 50V K
	C507	QETN1CM-108Z	E CAP.	1000μF 16V M
	C509	QFLCIHJ-823Z	M CAP. C CAP.	0.082 μF 50V J 0.01μF 50V K
	C510 C511	NCB31HK-103X NCB31HK-103X	C CAP.	0.01μF 50V K
	C512 C513	QTMN1HM-105Z QETN1CM-228Z	E CAP. E CAP.	1μF 50V M 2200μF 16V M
	C514	NCB31HK-103X	C CAP.	0.01μF 50V K
	C515 C516	QFVF1HJ-394Z NCB31HK-103X	MF CAP. C CAP.	0.39μF 50V J 0.01μF 50V K
	C551	NCF31CZ-224X	C CAP.	0.2¼F 16V Z
	C552 C553	NCF31CZ-224X QETN1EM-476Z	C CAP. E CAP.	0.22μF 16V Z 47μF 25V M
	C554	NCF31CZ-224X	C CAP.	0.2 2μF 16V Z
	C555 C571	NCF31CZ-224X NCB31HK-103X	C CAP. C CAP.	0.24iF 16V Z 0.01µF 50V K
	C601	QETN1HM-106Z	E CAP.	10μ 50V M
_	C602	QETN1HM-106Z	E CAP.	10μF 50V M

<u>∧</u> Symbol No.	Part No.	Part Name	Description
CAPA	ACITOR		
	Part No. QETNLHM-106Z QETNLHM-107Z QETNLEM-108Z QETNLEM-108Z QETNLEM-108Z QETNLEM-108Z QETNLHM-106Z QETNLHM-108Z QETNLEM-108Z QETNLEM-107Z NCB3ICK-104X NCB3ICK-104X NCB3ICK-104X QETNLAM-227Z NCB3ICK-104X QETNLAM-107Z NCB3ICK-104X QETNLAM-107Z QETNLAM-227Z NCB3ICK-104X QETNLAM-107Z QETNLAM-227Z NCB3ICK-104X		Description
C707 C708 C709 C710 C711 C712 C713 C714 C715 C716 C717	NCB31CK-104X QETNLAM-107Z NCB31CK-104X QETNLAM-107Z QETNLAM-227Z NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	0.1 F 16V K 100 F 10V M 0.1 F 16V K 100 F 10V M 220 F 10V M 220 F 10V M 0.1 F 16V K 560 F 50V J 0.1 F 16V K 0.1 F 16V K
COIL	NCF31AZ-105X NDC31HJ-561X QETN1HM-105Z QETN1HM-105Z	C CAP. C CAP. E CAP. E CAP.	і́µF 10V Z 560pF 50V J 1.0µF 50V М 1.0µF 50V М
		TNULLTUD	
L001 L002 L003 L301 L302 L305 L306	QQL244K-270Z QQL244K-100Z QQL244K-100Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-330Z	INDUCTOR COIL COIL COIL COIL COIL COIL COIL	10μΗ K 10μΗ K 4.7μΗ K 4.7μΗ K 4.7μΗ K 33μΗ K

Δ	Symbol No.	Part No.	Part Name	Description
	COIL	=		
	L501 L701 L702 L703 L704 L705 L706 L707 L708	QQL244J-151Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z	INDUCTOR COIL COIL COIL COIL COIL COIL COIL COIL	4.7 ₁ H K 4.7 ₁ H K 8.2 ₁ H K 4.7 ₁ H K
	DIOD	ÞΕ		
	D301 D302 D303 D303 D304 D503 D601 D602 D603 D604 D606 D607 D608 D609 D610 D611 D613 D614 D615 D615 D616 D619 D620 D621 D702 D703 D704 D705	MA3051/M/-X MA111-X MA111-X MA111-X AK04-T2 MA3330/L/-X MA3330/L/-X MA3330/L/-X MA111-X	Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE Z DIODE Z DIODE SI DIODE	
	TRAN	ISISTOF	₹	
	0002 0301 0302 0308 0309 0311 0402 0401 0401 0603 0605 0606 0607 0608 0610 0611 0612 0613 0614 0615 0619 0610 0701 0702 0703	2SC2412K/QR/-X 2SA1037AK/QR/-X 2SA1037AK/QR/-X DTC124EKA-X 2SC2412K/QR/-X DTC124EKA-X 2SC2412K/QR/-X DTC124EKA-X 2SC2412K/QR/-X DTC124EKA-X 2SC2412K/QR/-X DTC124EKA-X DTC124E	TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR	

<u>∧</u> Symbol No.	Part No.	Part Name	Description
TRA	NSISTO	R	
Q709 Q710 Q711 Q712 Q713	2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SA1037AK/QR/-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
IC			
IC301 IC302 IC501 IC551 IC601 IC602 IC671 IC701 IC702 IC708 IC708 IC706	TB1227CN AN5860 AN5415A-W LA6515 AN7885 AN7885 BA05T SDA555XFL AT24C16-28R25EK JLC1562BF-X MM14780F-X R1170H251B-X	IC I C IC IC IC IC IC IC IC IC IC	(SERVICE)
ОТН	ERS		
CN001 CN003-5 CN006 CN008 CN012 CN016 K307 LC301 TU001 X301 X701	QGF1220C2-19 QGB150SL1-16 QGB150SJ1-50 QGA2501C5-08Z QGB150SJ1-40 QGA2501C5-05Z QQRG621-02Z CE42142-22ZZ QAU0277-001 QAX069-001Z CEMS009-05Z CEMS007-008	FFC/FPC CONNE B TO B CONNE B TO B CONNE W TO B CONNE W TO B CONNE W TO B CONNE FERRITE BEADS EMI FILTER TUNER CRYSTAL IC SOCKET IC SOCKET	

POWER & DEF. P.W. BOARD ASS'Y (SJL-2003A-U2)

(S ≜	Symbol No.	A-U2) Part No.	Part Name	Description
	RESI	STOR		
	R401	QRE141J-682Y	C R	6.8kΩ 1/4W J
	R402 R403	QRA14CF-6801Y	MF R MF R	6.8kΩ 1/4W F 3.09kΩ 1/4W F
	R404	QRA14CF-3091Y QRA14CF-8200Y	MF R	820Ω 1/4W F
	R405	ORA14CF-8200Y	MF R	820Ω 1/4W F
	R406	QRE141J-103Y	C R	10kΩ 1/4W J
	R407	QUY153-050Y	ĬM BUS WIRE	20,22 27 81 3
	R409	QRE141J-103Y	C R	10kΩ 1/4W J
	R410	QRE141J-102Y	C R	1kΩ 1/4W J
	R414	QRE121J-5R6Y	C R	5.6Ω 1/2W J
	R415	QRX01GJ-1R8	MF R OM R	1.8Ω 1W J
	R416 R417	QRG01GJ-820 QRE121J-1R0Y	C R	82Ω 1W J 1.0Ω 1/2W J
	R461	QRE141J-331Y	C R	330Ω 1/4W J
	R463	ORE121J-392Y		
	R464	QRE121J-562Y	C R C R	3.9kΩ 1/2W J 5.6kΩ 1/2W J
	R465	QRE121J-682Y	C R	6.8kΩ 1/2W J
	R466	QRE121J-102Y	C R	1kΩ 1/2W J
	R467	QRL039J-330	OM R	33Ω 3 W J
	R468	QUY160-100Y	IM BUS WIRE C R	COLO. 1/ALL I
	R492	QRE141J-683Y	C R	68kΩ 1/4W J 220kΩ 1/4W J
	R493 R494	QRE141J-224Y QRZ9017-4R7	F R	4.7 Ω 1/4W J
	R495	ORE141J-103Y	ĊŔ	10kΩ 1/4W J
	R496	QRE141J-183Y	C R	18ko 1/4W J
	R497	QRE141J-153Y	C R	15kΩ 1/4W J
	R501	QRE141J-561Y	C R	560Ω 1/4W J
	R502	QRE141J-222Y	C R	2.2kΩ 1/4W J
	R503	QRE121J-152Y	C R	1.5kΩ 1/2W J
	R504	QRL039J-332	OM R	3.3kΩ 3W J
	R505	QRL039J-332	OM R	3.3kΩ 3W J
	R521 R522	QRE121J-150Y QRL039J-103	C R OM R	15Ω 1/2W J 10kΩ 3W J
	R523	ORE121J-471Y	C R	470Ω 1/2W J
	R524	QRZ9017-4R7	FR	4.7 Ω 1/4W J
	R525	QRE141J-152Y	ĊŔ	1.5kΩ 1/4W J
	R541	QRE121J-103Y	C R	10kΩ 1/2W J
	R542	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R543	QRE121J-124Y	C R	120kΩ 1/2W J
	R544	QRE121J-104Y	C R	100kΩ 1/2W J
	R545	QRE141J-123Y	C R C R	12kΩ 1/4W J 100kO 1/2W J
	R546 R547	QRE121J-104Y QRE141J-123Y	C R	100kΩ 1/2W J 12kΩ 1/4W J
	R548	ORE121J-222Y	C R	2.2kΩ 1/2W J
	R551	QRT03 9J - 3R3	MF R	3.3Ω 3W J
	R552	QRT039J-3R3	MF R	3.3Ω 3W J
	R553	QRF 104K - 5R6	UNF R	5.6Ω 10W K
	R554	QRZ9022-R47	F R	0.47 Ω 1W K
	R555	QRZ9011-4R7	F R	4.7 Ω 1/2W J
	R591	QRE121J-123Y	C R	12kΩ 1/2W J
	R592 R593	QRA14CF-1201Y QRE141J-183Y	MF R C R	1.2kΩ 1/4w F 18kΩ 1/4w J
	R594	QRE141J-1031	C R	2.2kΩ 1/4W J
	R595	QRA14CF-1962Y	MF R	19.6kΩ 1/4W F
	R596	QRA14CF-2671Y	MF R	2.67kΩ 1/4W F
	R597	QRE141J-273Y	C R	27kΩ 1/4w J
	R902	QRE121J-331Y	C R	330Ω 1/2W J
	R903	QRF104K-3R9	UNF R	3.9Ω 10W K
	R904	QRE121J-474Y	C R	470kΩ 1/2W J
	R905	QRE121J-474Y	C R	470kΩ 1/2W J
	R906 R907	QUY153-050Y QRL039J-823	IM BUS WIRE OM R	82kΩ 3W J
	R908	QRL039J-823	OM R	82kΩ 3W J
	R909	ORGO39J-473	OM R	47kΩ 3W J
	R911	QRM059J-R10	MP R	0.10Ω 5W J
	R912	QRT029J-R82	MF R	0.82Ω 2W J
Δ	R913	QRZ9017-100	F R	10 Ω 1/4W K
	R914	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R916	QRE141J-103Y	C R	10kΩ 1/4W J
	R917	QRE121J-221Y	C R	220Ω 1/2W J
	R918 R932	QRE121J-102Y QUY153-050Y	C R IM BUS WIRE	1kΩ 1/2W J
	R934	QRE141J-102Y	C R	1kΩ 1/4W J
	R935	QRE141J-223Y	C R	22kΩ 1/4W J

Δ	Symbol No.	Part No.	Part Name	Description
	RESI	STOR		_
Δ	R936 R939 R941 R952 R964 R967	QRE141J-103Y QRE141J-1R0Y QRE141J-102Y QRE141J-222Y QRE121J-222Y QRE039J-223	C R C R C R C R C R	$\begin{array}{ccccc} 10 k \Omega & 1/4 \text{W} & \text{J} \\ 1.0 \Omega & 1/4 \text{W} & \text{J} \\ 1k \Omega & 1/4 \text{W} & \text{J} \\ 2.2 k \Omega & 1/4 \text{W} & \text{J} \\ 2.2 k \Omega & 1/2 \text{W} & \text{J} \\ 22 k \Omega & 3 \text{W} & \text{J} \end{array}$
Δ	R976 R991	QRL029J-100 QRZ0057-825	OM R C R	10Ω 2W J 8.2MΩ 1W J
_	CAPA	CITOR		
	C401 C402 C403 C404 C405 C406 C407 C408 C410 C451 C461 C462 C502 C503 C521 C522 C523 C524 C526 C527 C529 C528 C526 C527 C529 C530 C531 C531 C531 C531 C532 C544 C555 C560 C591 C592 C593 C594 C595 C596 C597 C908 C907 C908 C909 C910 C912 C916 C917 C918 C955 C956 C958 C959 C958 C959 C959 C959 C959 C959	QEHRLVM-2277 QETMLVM-108 QFLC2AJ-683Z QETMLHM-105Z QFLC1HJ-6727 QCZ0337-180Z QFLC1HJ-102Z QFVF1HJ-3334Z QFVF1HJ-3334Z QFVF1HJ-334Z QFVF1HJ-333Z QFLC2AJ-563Z QFVG1HJ-104Z QEZ0195-475Z QETMLHM-105Z QETMLHM-105Z QFLC1HJ-133Z QFLC1HJ-133Z QFLC1HJ-133Z QFLC1HJ-333Z QFTC1HJ-333Z QFTC1HJ-333Z QFTC1HJ-333Z QFTC1HJ-33Z QFLC1HJ-33Z QFLC1HJ-33Z QFLC1HJ-33Z QFLC1HJ-33Z QFLC1HJ-33Z QFTXLHM-105Z QFXQX00-28Z QFXQX00-113 QFPXZ0J-183 QFPXZ0J-183 QFPXZ0J-183 QFXZ0J-7-204 QFHXEM-475Z QFZ0197-473 QCS3ZHJ-560Z QFZ0197-204 QFZ0197-184 QETMLHM-106Z QCS3ZHJ-560Z QFX0197-184 QETMCM-108Z QCS3ZHK-152Z QEHRLEM-108Z QCS3ZHK-152Z QEHRLEM-108Z QCS3ZHK-152Z QEHRLEM-108Z QCS3ZHK-152Z QETMLAM-107Z QETMLAM-107Z QETMLEM-108Z QCTXQS54-47Z QCS3C54-47Z QCZS054-47Z QC	E E CAP E CAP E CAP E CAP E CAP MF CAP MPP CAP M	220 ₁ F 50V M 1000 ₁ F 35V M 0.08µF 100V J 1.0µF 50V M 4700F 50V J 1.0µF 50V M 1000F 50V J 0.33µF 50V J 0.33µF 50V J 0.056µF 100V J 0.1µF 50V M 10µF 16V M 2800°F1.5kW+±3% 0.011µF1.5kW+±3% 0.011µF1.5kW+±

A	Cumbal No	Dart No	Dart Nama	Deceriation
Δ	Symbol No.	Part No.	Part Name	Description
<u>A</u>	C964 C968 C969 C970 C971 C972 C973 C974 C975 C976 C991 C992	QFVF1HJ-684Z QCZ0120-104Z QEHRICM-477Z QEHRICM-107Z QCZ0120-104Z QETNLCM-227Z QETNLEM-476Z QCZ0120-104Z QETNLEM-476Z QCZ0120-104Z QETNLEM-476Z QCZ0120-33Z QCZ0120-471	MF CAP. C CAP. E CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	0.6q.F 50V J 0.1µF 25V Z 470µF 16V M 100µF 16V M 0.1µF 25V Z 220µF 16V M 47µF 25V M 0.1µF 25V Z 220µF 10V M 47µF 25V M 3300FAC250V M
	TRAN	ISFORMI	ER	
Δ	T501 T551 T901	CE42034-002 QQH0122-001 QQS0144-001	HOR DRIVE TRANS FB TRANSF SW TRANSF	
	COIL	_		
Δ	L461 L521 L521 L901 L902 L903 L951 L952 L953 L954 L955	QQL 2027-821 QQL 2028-501 QQR 1106-001 QQL 402K-100 QQL 402K-100 QQL 2026-460 QQL 26AK-820Z QQL 26AM-5R6Z QQL 26AM-5R6Z QQL 26AM-5R6Z QQL 26AK-220Z	INDUCTOR INDUCTOR LINEARITY COIL COIL COIL LINEARITY COIL INDUCTOR COIL INDUCTOR INDUCTOR COIL	10 ₁ H K 10 ₁ H K 82 ₁ H K 22 ₁ H K
	DIOE	ÞE		
Δ	D402 D491 D491 D491 D492 D493 D494 D521 D522 D523 D525 D551 D553 D554 D591 D902 D904 D907 D909 D910 D911 D913 D953 D954 D955 D957 D958 D957 D958 D957 D958 D957 D958 D958 D958 D961 D962 D964 D965 D97	1N4003-T2 EU2-T3 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 RH3G-F1 RU30A-F1 EU2-T3 MTZ.J2B-T2 EU2-T3 EU	SI DIODE	

Δ	Symbol No.	Part No.	Part Name	Description
	TRAN	ISISTOF	₹	
Δ	0402 0461 0462 0463 0501 0521 0541 0542 0543 0544 0545 0591 0593 0931 0932	2SC1740S/QR/-T 2SD1408/0Y/-IB 2SA933AS/QR/-T 2SA933AS/QR/-T BSN304-T 2SD2553-LB DTC124ESA-T DTC124ESA-T IRF620 2SK2459N-F54 DTC124ESA-T 2SK2459N-F54 DTC124ESA-T 2SC1740S/QR/-T DTC124ESA-T	TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR MOS FET POW TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR POWER MOS FET POWER MOS FET POWER MOS FET POWER MOS FET POWER TANSISTOR TRANSISTOR	H. OUT
	IC			
Δ	IC401 IC901 IC951 IC952 IC953 IC954	LA78041 STR-F6254/F7 SE140N BA12T BA17809T PQ05RF11	1C 1C 1C 1C 1C 1C	
	OTHE	RS		
Δ Δ Δ Δ	CN008-5 CN009 CP951 CP952 CP954 CP954 CP955 K401 K503 K504 K901 K904	QGB1506M1-16 QGA2501C5-06Z QUY153-050Y QUY153-050Y QMF2034-5ROZ-J1 ICP-N75-Y ICP-N5-Y QQR0521-002Z QQR0582-001Z QQR0582-001Z QQR05879-001	B TO B CONNE W TO B CONNE IM BUS WIRE FUSE IC PROTECTOR IC PROTECTOR FERRITE BEADS	5.0A
Δ Δ Δ Δ	K951 K953 K954 K955 K956 LF900 PC541 PC542 PC901 TH901	QQRQ872-001Y QQRQ621-002Z QQRQ621-002Z QQRQ621-002Z QQRQ621-002Z QQRQ621-002Z QQR1095-001 PC123FV2 PC123FV2 PC123FV2 PC123FV2 CEKP002-003	FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS LINE FILTER IC(HOTO COURLE IC(HOTO COURLE IC(HOTO COURLE W POSISTOR	

CRT SOCKET P.W. BOARD ASS'Y (SJL-3001A-U2)

∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R3100 R3100 R3100 R3100 R3110 R3110 R3110 R3111 R3112 R3112 R3120 R3121 R3125 R3136 R3137 R3138 R3131 R3151 R3152 R3154 R3315 R3315 R3315 R3315 R3315 R3315 R3316 R3317 R3318 R3311 R3312 R3311 R3312 R3311 R3312 R3312 R3311 R3312 R3311 R3312 R3311 R3312 R3311 R3312 R3322 R3323 R3324 R3325 R3326 R3327 R3328 R3329	NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-392X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-470X NRSA63J-470X NRSA63J-470X ORL@9J-153 QRL@9J-153 QRL@9J-153 QRL@9J-183 QRSQBJ-102Z QRSGGJ-101 QRZGIO7-102Z QREIZIJ-105Y NRSA63J-101X NRSA63J-122X QRSGGJ-100X NRSA63J-122X QRSGGJ-100X NRSA63J-122X QRSGGJ-1121X QRL@9J-391	MG R R R R R R R R R R R R R R R R R R R	100Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 3.9KΩ 1/16W J 3.9KΩ 1/16W J 3.9KΩ 1/16W J 220Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 15KΩ 2W J 15KΩ 2W J 15KΩ 2W J 15KΩ 2W J 18KΩ 2W J 18KΩ 2W J 18KΩ 2W J 18KΩ 1/2W K 1KΩ 1/2W K 10Ω 1W J 470KΩ 1/2W K 470KΩ 1/2W J 1KΩ 1/16W J 1KΩ 1/16W J 1KΩ 1/16W J 1KΩ 1/16W J 1.5KΩ 1/16W J
	ACITOR		200 F F0V
C3101 C3102 C3108 C3104 C3105 C3107 C3113 C3114 C3115 C3116 C3300 C3300 C3307 C3308 C3300 C3311 C3311 C3311 C3312 C3314 C3315	NDC3IHJ-391X NDC3IHJ-391X NDC3IHJ-391X QETNLCM-107Z QETNLCM-476Z QETNLHM-106Z QC20131-222 QETM2EM-106 NRSA63J-OROX NCB31HK-103X QETNLCM-107Z NDC3IHJ-5ROX QETNCCM-106Z QCB32HK-472Z QCB32HK-472Z QCB32HK-472Z NDC3IHJ-821X QCB32HK-472Z NDC3IHJ-861X QCB32HK-472Z NDC3IHJ-561X QCS32HJ-680Z	C CAP. C CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. E CAP.	390pf 50V J 390pf 50V J 390pf 50V J 100µF 16V M 47µF 25V M 10µF 50V M 2200pf 2kV K 33µF 250V M 10µF 25V M 0.00 1/16W J 0.01µF 50V K 3.3µF 50V M 100µF 16V M 5.0pf 50V J 10µF 160V M 4700pf 50V K 10µF 160V M 4700pf 50V J 470pf 50V J 470pf 50V J 100µF 16V M 820pf 50V J 100µF 16V M 820pf 50V J

Δ	Symbol No.	Part No.	Part Name	Des	cripti	on
	CAPA	CITOR				
	C3316 C3317	QETN1CM-107Z QETN1AM-337Z	E CAP. E CAP.	100 _Ա F 330 _Ա F	16V 10V	M M
	COIL	=				
	L3101 L3102 L3103 L3301	QUY153-050Y QUY153-050Y QUY153-050Y QQL244J-391Z	IM BUS WIRE IM BUS WIRE IM BUS WIRE INDUCTOR			
	DIOD	ÞΕ				
	D3151 D3152 D3153 D3154 D3155 D3166 D3168 D3164 D3302 D3308	MA111-X MA3082/L/-X MA111-X MA111-X MA3047/H/-X MA3050/M/-X 1SR35-400A-T2 RH15-T3 RH15-T3	SI DIODE Z DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE			
	TRAN	IS I STOF	۲			
	03101 03102 03103 03104 03105 03105 03151 03152 03304 03305 03306 03307 03308	2SC1740S/QR/-T 2SC1740S/QR/-T 2SC1740S/QR/-T 2SC4544-LB 2SC4544-LB 2SC4544-LB 2SA037AK/QR/-X 2SC4682-T 2SC1740S/QR/-T 2SC1740S/QR/-T 2SC4833S/QR/-T 2SA933AS/QR/-T 2SA933AS/QR/-T 2SA933S/QR/-T 2SA933S/QR/-T 2SA933S/QR/-T	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR POWER TRANSISTO POWER TRANSISTO			
	ОТНЕ	RS				
Δ	CN3008 CN3009 FR3330 K3101 K3301 K3302 K3304 SK3001	QJK002-083633 QJK002-063631 QRZ9021-561 QQR6621-0027 CE41492-0017 CE41492-0017 QNZ0536-001	SIN CR C-B WIRE SIN CR C-B WIRE F R FERRITE BEADS CHOKE COIL CHOKE COIL CHOKE COIL CRT SOCKET	560 Ω	11W	J

■FRONT CONTROL P.W. BOARD ASS'Y (S.IL-8003A-U2)

SJL-800: Symbol No.	3A-U2) Part No.	Part Name	Description
RES	ISTOR		
R8801 R8802 R8804 R8851	NRSA63J-561X NRSA63J-561X NRSA63J-103X NRSA63J-152X	MG R MG R MG R MG R	56Ω 1/16W J 56Ω 1/16W J 10Ω 1/16W J 1.5Ω 1/16W J
CAP	ACITOR		
C8851 C8852 <u>∧</u> C8901	NCB31CK-104X QETN1CM-107Z QFZ9075-474	C CAP. E CAP. MPP CAP.	0.1μF 16V K 100μF 16V M 0.47μFAC275V M
DIO	DE		
D8801 D8851	SPR-39MVWF MA3068/M/-X	LED Z DIODE	
TRAI	NS I STO	R	
Q8801 Q8802 Q8803	DTA124EKA-X DTA124EKA-X DTC124EKA-X	DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	
ОТНІ	ERS		
CN8101 K3303 Å F8901 IC8851 Å LF8901 Å S8901	QGF1220C2-19 CE41492-001Z QMF51D2-3R15J1 GP1U281Q QQR1095-001 QSW0824-001 LC30849-001A-H CEMC002-001Z	FFC/FPC CONNE CHOKE COIL FUSE IR DETECT UNIT LINE FILTER PUSH SWITCH LED HOLDER FUSE CLIP	3.15A MAIN POWER

■ SIDE CONTROL P.W. BOARD ASS'Y (SJL-8101A-U2) △ Symbol No. Part No. Part Name Description

∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR		
R8001 R8002 R8010 R8011 R8012 R8021 R8022 R8023 R8317	QRE121J-271Y QRE121J-271Y NRS:463J-103X NRS:463J-103X NRS:463J-103X NRS:463J-102X NRS:463J-102X NRS:463J-103X NRS:463J-750X	C R C R MG R MG R MG R MG R MG R MG R	$\begin{array}{cccc} 270\Omega & 1/2\text{W} & \text{J} \\ 270\Omega & 1/2\text{W} & \text{J} \\ 10\text{K}\Omega & 1/16\text{W} & \text{J} \\ 10\text{K}\Omega & 1/16\text{W} & \text{J} \\ 10\text{K}\Omega & 1/16\text{W} & \text{J} \\ 16\text{K}\Omega & 1/16\text{W} & \text{J} \\ 16\text{K}\Omega & 1/16\text{W} & \text{J} \\ 16\text{K}\Omega & 1/16\text{W} & \text{J} \\ 10\text{K}\Omega & 1/16\text{W} & \text{J} \\ 75\Omega & 1/16\text{W} & \text{J} \end{array}$
CAP	ACITOR	•	
C8001 C8002 C8003 C8004 C8310 C8311 C8321	NCB31HK-103X NCB31HK-103X NCB31HK-102X NCB31HK-102X NCB31HK-472X NCB31HK-472X NCB31CK-104X	C CAP. C CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	0.01µF 50V K 0.01µF 50V K 1000ФF 50V K 1000ФF 50V K 4700ФF 50V K 4700ФF 50V K 0.1µF 16V K
COI	L		_
L8001 L8002 L8003 L8310 L8311 L8312	QQR0716-001Z QQL244K-5R6Z QQL244K-5R6Z QQL244K-270Z QQL244K-270Z QQR0716-001Z	FERRITE BEADS COIL COIL INDUCTOR INDUCTOR FERRITE BEADS	5.6 _L H K 5.6 _L H K
ОТН	ERS		
CN8016 J8001 J8303 S8001 S8002 S8003	QGA2501C5-05Z QNS0169-001 QNZ0438-001 QSW0519-003Z QSW0619-003Z QSW0619-003Z	W TO B CONNE 3.5 JACK AV JACK TACT SWITCH TACT SWITCH TACT SWITCH	CH UP Menu Ch down

■ AV SW P.W. BOARD ASS'Y (SJL0S003A-U2)

ROIQ NRS-63]-750X MG R 75Q 17/56W J ROIQ NRS-63]-823X MG R 82kQ 17/56W J ROIQ NRS-63]-823X MG R 82k	▲ Symbol No.	Part No.	Part Name	Description
R0102 NR5-63.3-1-750X MG R 750 1/16M J NR5-63.3-750X MG R 750 1/16M J NR5-63.3-823X MG R 82K0 1/16M J NR5-63.3-823X MG R 82K0 1/16M J NR5-63.3-823X MG R 82K0 1/16M J NR5-63.3-223X MG R 750 1/16M J NR5-63.3-23X MG R 750 1/16M J NR5-63.3-20X MG R 750 1/16M J NR5-63.3-20X MG R 750 1/16M J NR5-63.3-20X MG R 750 1/16M J NR5-63.3-10X MG R 1000 1/16M J NR5-	RES	ISTOR		
R0102 NRS-63-3-750X MG R 750 1/16W J R0105 NRS-63-1-750X MG R 750 1/16W J R0105 NRS-63-1-750X MG R 750 1/16W J R0105 NRS-63-1-750X MG R 750 1/16W J R0106 NRS-63-1-750X MG R 750 1/16W J R0107 NRS-63-1-750X MG R 750 1/16W J R0107 NRS-63-1-750X MG R 750 1/16W J R0108 NRS-63-1-750X MG R 750 1/16W J R0108 NRS-63-1-750X MG R 750 1/16W J R0108 NRS-63-1-750X MG R 750 1/16W J R0100 NRS-63-1-750X MG R 750 1/16W J R0100 NRS-63-1-823X MG R 82Kp 1/16W J R0110 NRS-63-1-823X MG R 82Kp 1/16W J R0113 NRS-63-1-750X MG R 750 1/16W J R0113 NRS-63-1-750X MG R 750 1/16W J R0113 NRS-63-1-223X MG R 750 1/16W J R0115 NRS-63-1-223X MG R 750 1/16W J R0115 NRS-63-1-223X MG R 22Kp 1/16W J R0115 NRS-63-1-823X MG R 82Kp 1/16W J R0115 NRS-63-1-823X MG R 82Kp 1/16W J R0116 NRS-63-1-831X MG R 82Kp 1/16W J R0117 NRS-63-1-831X MG R 82Kp 1/16W J R0118 NRS-63-1-831X MG R 82Kp 1/16W J R0118 NRS-63-1-10X MG R 82Kp 1/16W J R0120 NRS-63-1-10X MG R 82Kp 1/16W J R0120 NRS-63-1-331X MG R 8300 1/16W J R0120 NRS-63-1-331X MG R 1000 1/16W J R0124 NRS-63-1-10X MG R 1000 1/16W J R0125 NRS-63-1-333X MG R 1000 1/16W J R0127 NRS-63-1-10X MG R 1000 1/16W J R0127 NRS-63-1-10X MG R 1000 1/16W J R0127 NRS-63-1-10X MG R 1000 1/16W J R0137 NRS-63-1-10X MG R 1000 1/16W	R0101	NRSA63J-750X	MG R	75Ω 1/16W J
R0106 NR5x63.1-750X MG R 750 1/16W J R0106 NR5x63.1-750X MG R 750 1/16W J R0107 NR5x63.1-750X MG R 750 1/16W J R0107 NR5x63.1-750X MG R 750 1/16W J R0108 NR5x63.1-750X MG R 750 1/16W J R0108 NR5x63.1-750X MG R 750 1/16W J R0110 NR5x63.1-823X MG R 82Kp 1/16W J R0111 NR5x63.1-823X MG R 82Kp 1/16W J R0111 NR5x63.1-823X MG R 82Kp 1/16W J R0111 NR5x63.1-223X MG R 750 1/16W J R0111 NR5x63.1-223X MG R 750 1/16W J R0111 NR5x63.1-223X MG R 750 1/16W J R0115 NR5x63.1-223X MG R 750 1/16W J R0115 NR5x63.1-223X MG R 750 1/16W J R0116 NR5x63.1-223X MG R 750 1/16W J R0116 NR5x63.1-223X MG R 750 1/16W J R0116 NR5x63.1-223X MG R 750 1/16W J R0118 NR5x63.1-203X MG R 750 1/16W J R0118 NR5x63.1-101X MG R 1000 1/16W J R0118 NR5x63.1-101	R0102	NRSA63J-750X	MG R	
R0105 NR5-83-1-750X MG R 750 1/16W J R0107 NR5-83-1-750X MG R 750 1/16W J R0107 NR5-83-1-750X MG R 750 1/16W J R0108 NR5-83-1-750X MG R 750 1/16W J R0108 NR5-83-1-23X MG R 82K0 1/16W J R0108 NR5-83-823X MG R 82K0 1/16W J R0110 NR5-83-823X MG R 82K0 1/16W J R0111 NR5-83-1-23X MG R 22K0 1/16W J R0111 NR5-83-1-23X MG R 22K0 1/16W J R0115 NR5-83-1-23X MG R 22K0 1/16W J R0115 NR5-83-1-23X MG R 22K0 1/16W J R0115 NR5-83-1-23X MG R 82K0 1/16W J R0112 NR5-83-1-23X MG R 82K0 1/16W J R0123 NR5-83-1-23X MG R 1000 1/16W J R0123 NR5-83-1-23X MG R 1000 1/16W J R0123 NR5-83-1-23X MG R 1000 1/16W J R0125 NR5-83-1-23X MG R 1000 1/16W J R0126 NR5-83-1-23X MG R 1000 1/16W J R0128 NR5-83-	R0103	NRSA63J-750X	MG R	75Ω 1/16W J
R01106 NR5-83.1-750X MG R 750.1 1/15M J NR5-83.1-823X MG R 82KD 1/15M J NR5-83.1-823X MG R 82KD 1/15M J NR5-83.1-823X MG R 750.1 1/15M J NR5-83.1-823X MG R 750.1 1/15M J NR5-83.1-823X MG R 750.1 1/15M J NR5-83.1-823X MG R 22KD 1/15M J NR5-83.1-823X MG R 82KD 1/15M J NR5-83.1-823X MG R 82KD 1/15M J NR5-83.1-823X MG R 82KD 1/15M J NR5-83.1-91X MG R 9900.1 1/15M J NR	R0104	NRSA63J-750X	MG R	75Ω 1/16W J
R0107 R0108 R0108 R0108 R0108 R0109 R0100 R018633-823X R011 R0112 R0112 R0112 R0132 R0112 R0132 R0112 R0132 R0113 R0133 R0134 R0134 R0134 R0135 R0134 R0135 R0134 R0135	R0105	NRSA63J-750X	MG R	75Ω 1/16W J
R0108 NRS/631-750X MG R 75Q 1/16W J	R0106	NRSA63J-750X	MG R	75Ω 1/16W J
R0110	R0107	NRSA63J-750X	MG R	75Ω 1/16W J
R0112 MRSA631-823X MG R R0124 MRSA631-473X MG R T5Q 1/16W J R0115 MRSA631-273X MG R Z2KQ 1/16W J R0115 MRSA631-273X MG R Z2KQ 1/16W J R0115 MRSA631-273X MG R Z2KQ 1/16W J R0116 MRSA631-273X MG R Z2KQ 1/16W J R0117 MRSA631-823X MG R R0120 MRSA631-391X MG R R0120 MRSA631-101X MG R 100Q 1/16W J R0124 MRSA631-101X MG R 100Q 1/16W J R0124 MRSA631-101X MG R 100Q 1/16W J R0126 MRSA631-301X MG R 100Q 1/16W J R0127 MRSA631-301X MG R 100Q 1/16W J R0127 MRSA631-101X MG R 100Q 1/16W J R0127 MRSA631-103X MG R 100Q 1/16W J R0129 MRSA631-103X MG R 100Q 1/16W J R0129 MRSA631-273X MG R 82KQ 1/16W J R0120 MRSA631-273X MG R 82KQ 1/16W J R0121 MRSA631-273X MG R 27KQ 1/16W J R0131 MRSA631-273X MG R 27KQ 1/16W J R0132 MRSA631-273X MG R 27KQ 1/16W J R0134 MRSA631-273X MG R 33KQ 1/16W J R0134 MRSA631-333X MG R 33KQ 1/16W J R0134 MRSA631-333X MG R 33KQ 1/16W J R0136 MRSA631-333X MG R 33KQ 1/16W J R0138	R0108	NRS <i>A</i> 63J-750X	MG R	75Ω 1/16W J
R0114 NR5/631-750X MG R	R0110	NRSA63J-823X	MG R	
R0114 NRS-631-473X MG R 27kQ 1/16W J R0115 NRS-631-223X MG R 22kQ 1/16W J R0116 NRS-631-223X MG R 82kQ 1/16W J R0117 NRS-631-223X MG R 82kQ 1/16W J R0118 NRS-631-323X MG R 82kQ 1/16W J R0119 NRS-631-391X MG R 39QQ 1/16W J R0119 NRS-631-391X MG R 39QQ 1/16W J R0110 NRS-631-391X MG R 39QQ 1/16W J R0110 NRS-631-391X MG R 39QQ 1/16W J R0120 NRS-631-301X MG R 10QQ 1/16W J R0124 NRS-631-101X MG R 10QQ 1/16W J R0124 NRS-631-101X MG R 10QQ 1/16W J R0126 NRS-631-313X MG R 33kQ 1/16W J R0126 NRS-631-313X MG R 33kQ 1/16W J R0127 NRS-631-101X MG R 10QQ 1/16W J R0128 NRS-631-103X MG R 10QQ 1/16W J R0129 NRS-631-103X MG R 10QQ 1/16W J R0129 NRS-631-103X MG R 10QQ 1/16W J R0129 NRS-631-103X MG R 10QQ 1/16W J R0130 NRS-631-103X MG R 10QQ 1/16W J R0131 NRS-631-103X MG R 10QQ 1/16W J R0131 NRS-631-103X MG R 10QQ 1/16W J R0131 NRS-631-223X MG R 27kQ 1/16W J R0133 NRS-631-223X MG R 27kQ 1/16W J R0133 NRS-631-223X MG R 27kQ 1/16W J R0133 NRS-631-223X MG R 33kQ 1/16W J R0133 NRS-631-223X MG R 33kQ 1/16W J R0134 NRS-631-223X MG R 33kQ 1/16W J R0135 NRS-631-333X MG R 33kQ 1/16W J R0136 NRS-631-473X MG R 33kQ 1/16W J R0136 NRS-631-473X MG R 33kQ 1/16W J R0146 NRS-631-473X MG R 33kQ 1/16W J R0146 NRS-631-473X MG R 33kQ 1/16W J R0146 NRS-631-333X MG R 33kQ 1/16W J R0146 NRS-631-333X MG R 33kQ 1/16W J R0146 NRS-631-101X MG R 10QQ 1/16W J R0146 NRS-631-101X MG R 10QQ 1/16W J R0146 NRS-631-101X	R0112			
R0115 NRS-K631-223X MG R 22kQ 1/16W J R0117 NRS-K631-223X MG R 22kQ 1/16W J R0117 NRS-K631-823X MG R 82kQ 1/16W J R0118 NRS-K631-823X MG R 82kQ 1/16W J R0118 NRS-K631-823X MG R 82kQ 1/16W J R0118 NRS-K631-391X MG R 39QQ 1/16W J R0120 NRS-K631-391X MG R 39QQ 1/16W J R0123 NRS-K631-101X MG R 10QQ 1/16W J R0125 NRS-K631-101X MG R 10QQ 1/16W J R0128 NRS-K631-103X MG R 10QQ 1/16W J R0128 NRS-K631-103X MG R 10QQ 1/16W J R0120 NRS-K631-103X MG R 10QQ 1/16W J R0120 NRS-K631-123X MG R 47kQ 1/16W J R0120 NRS-K631-153X MG R 47kQ 1/16W J R0133 NRS-K631-223X MG R 10QQ 1/16W J R0133 NRS-K631-223X MG R 10QQ 1/16W J R0133 NRS-K631-223X MG R 10QQ 1/16W J R0133 NRS-K631-333X MG R 10QQ 1/16W J R0135 NRS-K631-333X MG R 10QQ 1/16W J R0135 NRS-K631-333X MG R 2,2kQ 1/16W J R0136 NRS-K631-333X MG R 2,2kQ 1/16W J R0136 NRS-K631-333X MG R 2,2kQ 1/16W J R0136 NRS-K631-333X MG R 33kQ 1/16W J R0148 NRS-K631-333X MG R 33kQ 1/16W J R0168 NRS-K631-333X MG R 33kQ 1/16W J R0169 NRS-K631-333X MG R 33kQ 1/16W J R0169 NRS-K631-333X MG R 33kQ 1/16W J R0169 NRS-K631-333X MG R 33kQ				
R0116				
R0117 NRS-631-823X MG R R0118 NRS-631-823X MG R R0119 NRS-631-823X MG R R0119 NRS-631-823X MG R R0110 NRS-631-823X MG R R0120 NRS-631-911X MG R R0120 NRS-631-101X MG R R0121 NRS-631-101X MG R R0122 NRS-631-101X MG R R0123 NRS-631-101X MG R R0125 NRS-631-101X MG R R0126 NRS-631-101X MG R R0127 NRS-631-101X MG R R0127 NRS-631-101X MG R R0127 NRS-631-101X MG R R0128 NRS-631-101X MG R R0129 NRS-631-101X MG R R0129 NRS-631-101X MG R R0120 NRS-631-101X MG R R0120 NRS-631-101X MG R R0121 NRS-631-101X MG R R0122 NRS-631-101X MG R R0123 NRS-631-273X MG R R0131 NRS-631-273X MG R R0132 NRS-631-273X MG R R0133 NRS-631-273X MG R R0134 NRS-631-222X MG R R0135 NRS-631-222X MG R R0136 NRS-631-333X MG R R0137 NRS-631-333X MG R R0137 NRS-631-333X MG R R0138 NRS-631-222X MG R R0139 NRS-631-333X MG R R0140 NRS-631-333X MG R R0141 NRS-631-333X MG R R0141 NRS-631-333X MG R R0142 NRS-631-333X MG R R0143 NRS-631-333X MG R R0144 NRS-631-333X MG R R0145 NRS-631-333X MG R R0146 NRS-631-333X MG R R0147 NRS-631-333X MG R R0148 NRS-631-333X MG R R0149 NRS-631-333X MG R R0140 NRS-631-333X MG R R0141 NRS-631-333X MG R R0141 NRS-631-333X MG R R0142 NRS-631-333X MG R R0144 NRS-631-333X MG R R0145 NRS-631-333X MG R R0146 NRS-631-333X MG R R0147 NRS-631-333X MG R R0148 NRS-631-333X MG R R0149 NRS-631-333X MG R R0140 NRS-631-333X MG R R0140 NRS-631-333X MG R R0141 NRS-631-333X MG R R0141 NRS-631-333X MG R R0142 NRS-631-333X MG R R0144 NRS-631-333X MG R R0145 NRS-631-333X MG R R0146 NRS-631-333X MG R R0147 NRS-631-333X MG R R0148			MG R	22kΩ 1/16W J
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R0172 NRSA63J-473X MG R 47kΩ 1/16W J R0173 NRSA63J-823X MG R 82kΩ 1/16W J R0174 NRSA63J-103X MG R 10kΩ 1/16W J R0175 NRSA63J-153X MG R 15kΩ 1/16W J R0176 NRSA63J-173X MG R 47kΩ 1/16W J R0177 NRSA63J-273X MG R 27kΩ 1/16W J R0180 NRSA63J-101X MG R 100Ω 1/16W J R0181 NRSA63J-101X MG R 100Ω 1/16W J				
R0173 NRSA63J-823X MG R 82kΩ 1/16W J R0174 NRSA63J-103X MG R 10kΩ 1/16W J R0175 NRSA63J-153X MG R 15kΩ 1/16W J R0176 NRSA63J-473X MG R 47kΩ 1/16W J R0177 NRSA63J-273X MG R 27kΩ 1/16W J R0180 NRSA63J-101X MG R 100Ω 1/16W J R0181 NRSA63J-101X MG R 100Ω 1/16W J				
R0174 NRSA63J-103X MG R 10kΩ 1/16W J R0175 NRSA63J-153X MG R 15kΩ 1/16W J R0176 NRSA63J-473X MG R 47kΩ 1/16W J R0177 NRSA63J-273X MG R 27kΩ 1/16W J R0180 NRSA63J-101X MG R 100Ω 1/16W J R0181 NRSA63J-101X MG R 100Ω 1/16W J				
R0175 NRSA63J-153X MG R 15kΩ 1/16W J R0176 NRSA63J-473X MG R 47kΩ 1/16W J R0177 NRSA63J-273X MG R 27kΩ 1/16W J R0180 NRSA63J-101X MG R 100Ω 1/16W J R0181 NRSA63J-101X MG R 100Ω 1/16W J				
R0176 NRSA63J-473X MG R 47kΩ 1/16W J R0177 NRSA63J-273X MG R 27kΩ 1/16W J R0180 NRSA63J-101X MG R 100Ω 1/16W J R0181 NRSA63J-101X MG R 100Ω 1/16W J				
R0177 NRSA63J-273X MG R 27kΩ 1/16W J R0180 NRSA63J-101X MG R 100Ω 1/16W J R0181 NRSA63J-101X MG R 100Ω 1/16W J				
R0180 NRSA63J-101X MG R 100Ω 1/16W J R0181 NRSA63J-101X MG R 100Ω 1/16W J				
R0181 NRSA63J-101X MG R 100Ω 1/16W J				
R0182 NRSA63J-101X MG R 100Ω 1/16W J				
	R0182	NRSA63J-101X	MG R	100Ω 1/16W J

<u>∧</u> Symbol No.	Part No.	Part Name	Description
RES	STOR		
R0183 R0184 R0185 R0186 R0188 R0190 R0191 R0192 R0193 R0194 R0195 R0197 R0198 R0199 R0202 R0208 R0200 R0200 R02101 R0210	NRS.663.J-222X NRS.663.J-222X NRS.663.J-221X NRS.663.J-221X NRS.663.J-221X NRS.663.J-221X NRS.663.J-221X NRS.663.J-221X NRS.663.J-562X NRS.663.J-562X NRS.663.J-102X QRG01G.J-101 QRK126.J-181X NRS.663.J-750X NRS.663.J-103X NRS.663.J-103X QRG01G.J-181 NRS.663.J-103X QRG01G.J-181 NRS.663.J-101X NRS.663.J-101X	MG R	10Q ₀ 1/16W J 33kQ 1/16W J 2.2kQ 1/16W J 33kQ 1/16W J 33kQ 1/16W J 10QQ 1/16W J 22QQ 1/16W J 22QQ 1/16W J 5.6kQ 1/16W J 1kQ 1/16W J 15QQ 1/2W J 75Q 1/16W J 15QQ 1/2W J 75Q 1/16W J 15QQ 1/2W J 75Q 1/16W J 2.2kQ 1/16W J 2.2kQ 1/16W J 33kQ 1/16W J 2.2kQ 1/16W J 33kQ 1/16W J 10kQ 1/16W J
	ACITOF	ξ	
C0101 C0102 C0103 C0104 C0105 C0106 C0107 C0108 C0109 C0110 C01111 C01112 C01112 C01113 C01114 C0115 C0116 C0117 C0118 C0117 C0118 C0119 C0120 C0120 C0121 C0121 C0121 C0123 C0124 C0125 C0128 C0127 C0128 C0129 C0130 C0131 C0131 C0132 C0133 C0136 C0137 C0138 C0139 C0130 C0131 C0132 C0133 C0136 C0137 C0138 C0139 C0140 C0141 C0142 C0141	NCB31HK-152X QETNLHM-106Z QETNLHM-106Z QETNLHM-106Z QETNLHM-106Z QETNLHM-106Z NCB31HK-472X NCB31HK-472X NCB31HK-152X NCB31HK-152X NCB31HK-477X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-152X NCB31HK-152X NCB31HK-152X NCB31HK-106Z QETNLHM-106Z	C E E E E C C C C C C C C C C E E C C E E E E E E E C E C E BP B E C C BP C E B E C C C C C C C C C C C C C C C C	1500pF 50V K 470µF 16V M 10µF 50V M 10µF 50V M 10µF 50V M 10µF 50V K 1500pF 50V K 4700pF 50V K 1500pF 50V K 4700pF 50V K 100pF 50V K 100pF 50V K 100pF 50V M 10µF 50V M

Δ	Symbol No.	Part No.	Part Name	Description
	CAPA	CITOR		
	C0145 C0146 C0147 C0149 C0150 C0151 C0153 C0154 C0157 C0158 C0617 C0618 C0619 C0620 C0620 C0620 C0630 C0631 C0634 C0644 C0632 C0634 C0644 C0636 C0644 C0664 C0664 C0664 C0664 C0664 C0664	QETNLCM-107Z QETNLCM-107Z QETNLCM-107Z QETNLCM-477Z NCB31HK-106Z QETNLHM-106Z QETNLHM-105Z QETNLHM-105Z NDC31HJ-680X NDC31HJ-680X NDC31HJ-680X QETNLCM-107Z NCB31CK-104X QETNLCM-107Z NCB31CK-104X QETNLHM-106Z NCB31CK-104X QETNLHM-106Z NCB31CK-104X QETNLHM-106Z NCB31CK-104X QETNLHM-106Z NCB31CK-104X QETNLHM-106Z NCB31CK-104X QETNLHM-106Z NCB31HK-102X NCB31HK-102X NCB31HK-102X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HC-103X NCB31HC-104X QETNLCM-107Z	E E C C C C C C C C C C C C C C C C C C	100µF 16V M 100µF 16V M 470µF 16V M 0.01µF 50V K 10µF 50V M 10µF 50V M 1.0µF 50V M 1.0µF 50V M 1.0µF 50V M 68pF 50V J 68pF 50V J 68pF 50V J 100µF 16V K 10µF 50V M 0.1µF 16V K 10µF 50V M 0.01µF 16V K 10µF 50V M 0.01µF 50V M 0.01µF 50V M 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V J 0.01µF 50V K
	C0648	NCB31CK-104X	C CAP.	0.1µF 16V K
COIL			<u> </u>	
	L0114 L0603 L0605	QQR0716-001Z QRN143J-0R0X QQL244K-4R7Z	FERRITE BEADS C R COIL	0.0Ω 1/ 4 W J 4.7 _μ H K
	DIOD	ÞΕ		
	D0101 D0102 D0108 D0104 D0105 D0106 D0107 D0107 D0108 D0109 D0110 D0111 D0111 D0112 D0113 D0601	MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X MA3120/M/-X	Z DIODE	
		ISISTOF		
	00101 00102 00103 00104 00105 00106 00107 00108 00109 00110 00111 00112 00116 00118 00119	DTC323TK-X 2SA1037AK/QR/-X DTC323TK-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC3412K/QR/-X DTC323TK-X DTC323TK-X DTC323TK-X 2SC2412K/QR/-X 2SC2412K/QR/-X 2SC3412K/QR/-X 2SC3412K/QR/-T 2SC2412K/QR/-X	DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	

∆ Symbol No.	Part No.	Part Name	Description
TRA	NSISTO	R	
Q0120	2SC2412K/QR/-X	TRANSISTOR	
IC			
IC0101 IC0603	CXA2089Q-X MSP3415DQGB3GHX	IC IC	
ОТН	ERS		
CN0006 J0001 J0002 K0101 K0102 K0103 K0104 K0601 K0602 LC0601	QGB1505K1-50 QNZQ465-001 QNZQ463-001 CE42681-001Y CE42681-001Y CE42681-001Y CRQ889-003X NQRQ89-003X NQRQ89-003X NQRQ431-001X CE42546-001Z	B TO B CONNE 21P CONNECTOR 21P CONNECTOR 21P CONNECTOR CHIP BEADS CORE CHIP BEADS CORE CHIP BEADS CORE CHIP BEADS CORE FERRITE BEADS FERRITE BEADS EMI FILTER X TAL	

■ DOLBY P.W. BOARD ASS'Y (SJL0D001A-U2)

<u>∧</u> Symbol M	No. Part No.	Part Name	Description
RE	SISTOR		
R101 R102 R103 R104 R105 R106 R107 R108 R109 R111 R112 R113 R114 R115 R117 R117	NRS/63J-223X NRS/63J-683X NRS/63J-683X NRS/63J-683X NRS/63J-271X NRS/63J-271X NRS/63J-271X NRS/63J-271X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X NRS/63J-102X	MG R R R R R R R R R R R R R R R R R R R	22 kΩ 1/16W J 68kΩ 1/16W J 22 kΩ 1/16W J 68 kΩ 1/16W J 1MΩ 1/16W J 27 Ω 1/16W J 47 kΩ 1/16W J 1 kΩ 1/16W J
R202 R203 R204 R205 R206 R207 R208 R209 R210 R211 R212 R213 R214 R215 R216 R217	NRS/63J-153X NRS/63J-103X NRS/63J-103X NRS/63J-103X NRS/63J-273X NRS/63J-273X NRS/63J-103X NRS/63J-103X NRS/63J-103X NRS/63J-123X NRS/63J-123X NRS/63J-123X NRS/63J-123X NRS/63J-123X	MG R MG G R	15ΚΩ 1/16W J 10ΚΩ 1/16W J 15ΚΩ 1/16W J 10ΚΩ 1/16W J

∆ Symbol No.	Part No.	Part Name	Description	∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR			CAP	ACITOR	2	
R303 R304 R305 R306 R307 R310 R311 R312 R313 R314 R315 R401 R402 R403 R400 R501 R502 R503 R504 R505 R507 R508 R509 R510 R511 R512 R514 R516 R517 R551 R552 R553 R554 R5557 R5558 R5557 R5558 R5560 R557 R558	NRSA63J-103X NRSA63J-394X NRSA63J-562X NRSA63J-562X NRSA63J-562X NRSA63J-562X NRSA63J-562X NRSA63J-562X NRSA63J-103X	MG R R R R R R R R R R R R R R R R R R R	10kΩ 1/16W J 390kΩ 1/16W J 390kΩ 1/16W J 5.6kΩ 1/16W J 390kΩ 1/16W J 390kΩ 1/16W J 10kΩ 1/16W J	C127 C128 C129 C130 C131 C132 C133 C134 C135 C137 C138 C142 C145 C148 C149 C150 C151 C150 C201 C202 C203 C204 C205 C206 C207 C208 C209 C210 C301 C302 C303 C304 C305 C307 C308 C309 C310 C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C313 C314 C315 C316 C317 C318 C318 C319	NDC31HJ-221X QETNLEM-4762 NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X QETNLCM-1077 NCB31CK-104X QETNLCM-1077 NCB31CK-104X QETNLCM-1077 NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31K-222X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-105X QETNLEM-4762 NCCB1AZ-105X QETNLEM-4762 NCCB1AZ-105X QETNLEM-4762 NCB31CK-104X NCB31CK-105X QETNLEM-4762 NCB31CK-104X NCB31CK-105X QETNLEM-476Z NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-105X NCB31CK-105X	CECCCCECECCCCCCCCCCCCCCCCCCCCCCCCCCCCC	220pf 50V J 47µF 25V M 0.1µF 16V K 100µF 16V M 100µF 16V M 0.1µF 16V K 100µF 16V M 0.1µF 16V K 2000F 50V K 2200F 50V K 2200F 50V K 0.1µF 16V K 100µF 16V M 47µF 25V M 47µF 25V M 1µF 10V Z 47µF 25V M 1µF 10V Z 47µF 50V J 1µF 16V K 0.1µF 16V K
CAP	ACITOR			C320 C321	NCF31AZ-105X NCB31HK-222X	C CAP. C CAP.	1μF 10V Z 2200pF 50V K
C101 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C114 C115 C116 C117 C118 C119 C120 C121 C121 C121 C122	NCB31CK-104X NDC31HJ-221X QETNLHH-475Z NCB31CK-104X QETNLEM-476Z QETNLEM-476Z QETNLEM-476Z QETNLHM-475Z NDC31HJ-221X NDC31HJ-100X NDC31HJ-100X QETNLEM-476Z QETNLEM-476Z QETNLEM-476Z QETNLEM-476Z QETNLEM-476Z QETNLEM-476Z QETNLEM-476Z QETNLEM-476Z NCB31CK-104X QETNLEM-476Z NCB31CK-104X QETNLEM-476Z NCB31CK-104X QETNLEM-476Z NCB31CK-104X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X	C C E C C C C C C C C C C C C C C C C C	0.1 if 16V K 220 if 50V J 4.7 if 50V M 0.1 if 16V K 47 if 25V M 47 if 25V M 47 if 50V J 220 if 50V J 10 if 50V J 10 if 50V J 10 if 50V J 47 if 25V M 47 if 25V M 47 if 25V M 47 if 25V M 0.1 if 16V K 47 if 25V M 47 if 25V M 47 if 25V M 0.1 if 16V K 47 if 25V M 47 if 16V K 20 if 16V K 20 if 50V J 220 if 50V J	C401 C402 C404 C405 C406 C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C551 C552 C553 C554 C555 C555	NCF31AZ-105X NCC31HJ-470X NCF31AZ-105X QETNLEM-476Z NCF31AZ-105X NCF31AZ-105X NCF31AZ-105X NDC31HJ-100X NDC31HJ-100X NDC31HJ-100X QETNLEM-476Z QETNLEM-476Z QETNLEM-476Z NCB31HK-222X NCB31HK-222X QETNLEM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31EK-273X NCB31EK-273X	C C C C C C C C C C C C C C C C C C C	1μF 10V Z 47pF 50V J 1μF 10V Z 47μF 10V Z 47μF 10V Z 1μF 50V J 10pF 50V J 47μF 25V M 10μF 50V M 47μF 25V M 2200FF 50V K 2200FF 50V K 47μF 25V M 0.082μF 16V K 0.012μF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K

AV28R25EKS AV28R250EKS

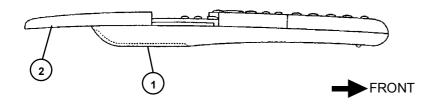
Δ	Symbol No.	Part No.	Part Name	Description
	CAPA	CITOR		
	C560 C561 C562	QETN1HM-106Z NCF31AZ-105X NCF31AZ-105X	E CAP. C CAP. C CAP.	$\begin{array}{ccc} 10 \mu F & 50 V & M \\ 1 \mu F & 10 V & Z \\ 1 \mu F & 10 V & Z \end{array}$
	COIL	_		
	L101 L102 L103 L104 L501 L502	NQL085J-4R7X NQL085J-4R7X NQL085J-4R7X NQL085J-4R7X NQL085J-100X NQL085J-100X	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	
	DIOD	ÞE		
	D105 D501 D502	MA111-X MA3150/M/-X MA3150/M/-X	SI DIODE Z DIODE Z DIODE	_
	TRAN	IS I STOP	₹	
	Q101 Q301 Q501 Q502 Q503	DTC124EKA-X DTC124EKA-X 2SA1037AK/QR/-X DTC323TK-X DTC323TK-X	DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	

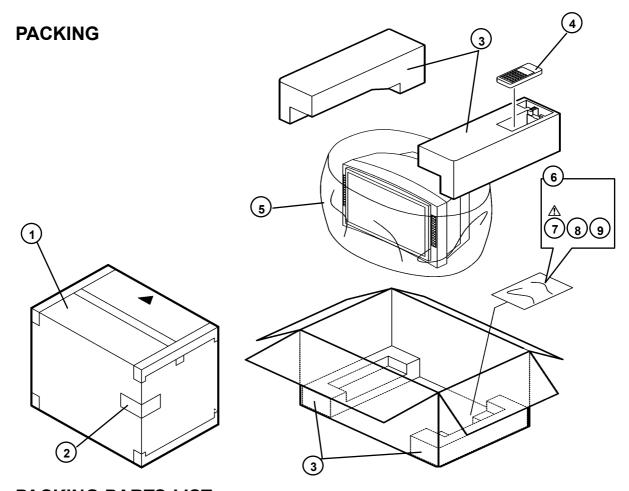
Δ	Symbol No.	Part No.	Part Name	Description
	IC			
	IC101 IC102 IC201 IC301 IC302 IC303 IC401 IC501 IC551	TC9471F S-80828ANNP-W BA10324AF-XE TC4052BF/N/-XE BD3669F-X BD3669F-X BA4558F-X BA4558F-X BA4558F-X BA458F-X BA458F-X	IC IC IC IC IC IC IC IC	
	OTHE	RS		_
	CN012 J001 J002 LC101 LC102 X101	QGB1505K1-40 QNN0294-001 QNB0006-002 NQR0313-009X NQR0313-009X NAX0288-001X	B TO B CONNE PIN JACK PUSH TERMINAL EMI FILTER EMI FILTER CRYSTAL	

REMOTE CONTROL UNIT PARTS LIST

 \triangle Ref.No. Part No. Part Name Description

AV 28R2	5EKS / AV28R250	EKS (RM-C60H-1C)	
1 2	2 AA 02 7 7 7 0 2 AA 02 7 7 6 0	BATTERY COVER SLIDE COVER	





PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description	
AV28R25E	KS			
1 2 3 4 5 6 7 8	L C1 01 01 - 01 6 A A EM 10 64 - 00 1 - E L C1 13 18 - 00 2 B RM - C6 0H - 1C A EM 10 47 - A0 2 - E A EM 30 21 - 00 2 - E L CT 11 52 - 00 1 A - U B T - 54 0 13 - 1 E	PACKING CASE EURO LABEL CUSHION ASSY RC HAND UNIT FORM BAG DOCUMENT BAGS INST BOOK WARRANTY CARD	4pcs in 1set	
9	AEM3148-001-E	REG CARD		

AV28R2	AV28R250EKS						
1 2 3 4 5 6 7 8	LC10101-016A AEM1064-001-E LC11318-002B RM-C60H-1C AEM1047-A02-E AEM3021-002-E LCT1152-001A-U BT-54013-1E	PACKING CASE EURO LABEL CUSHION ASSY REMOCON FORM BAG DOCUMENT BAGS INST BOOK WARRANTY CARD	4pcs in 1set				
9	A EM 31 48-001-E	REG CARD					

AV28R25EKS	
AV28R250EKS	

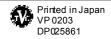
Memo

Memo





VICTOR COMPANY OF JAPAN, LIMITED
HOME AV NETWORK BU SINESS UNIT 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama, Kanagawa-prefecture, 221-8528, Japan



JVC

SERVICE MANUAL

COLOUR TELEVISION

AV28R25EKS AV28R250EKS

BASIC CHASSIS

JL

Supplementary

We have changed the production country for some parts. As a result, some parts number have been changed. Therefore, this service manual describes only these parts number.

For others, please use the service manual for AV28R25EKS, AV28R250EKS (No.51941, Mar. 2002).

■ DIFFERENCE LIST

USING PW BOARD (Page 30)

Model	AV28R25EKS	Remark	
PWB ASS'Y	Before	After	
MAIN PWB	SJL-1005A-U2	←	Not change
POWER & DEF PWB	SJL-2003A-U2	SJL-2003A-H3	Interchangeable
CRT SOCKET PWB	SJL-3001A-U2	SJL-3001A-H3	1
FRONT CONTROL PWB	SJL-8003A-U2	SJL-8003A-H3	1
SIDE CONTROL PWB	SJL-8101A-U2	SJL-8101A-H3	1
AV SEL. PWB	SJL0S003A-U2	SJL0S003A-H3	1
DOLBY PWB	SJL0D001A-U2	←	Not change

Note:

The number of PWB have been changed because the production country of some PWBs has been changed. However, there is no change in component parts.